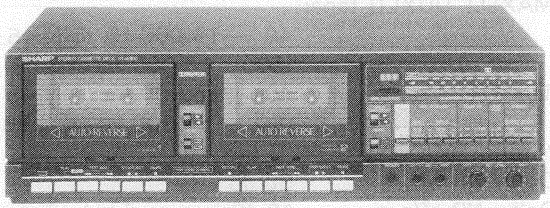
RT-W800H

SHARP

SERVICE MANUAL / SERVICE-ANLEITUNG / MANUEL DE SERVICE

S3634RTW800HK



RT-W800H(BK)

DOLBY B-C NR ®

- Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- Geräuschunterdrückungssystem unter Lizenz von Dolby Laboratories Licensing Corporation hergestellt. Das Wort "Dolby" und das Symbol des doppelten D sind die Warenzeichen von Dolby Laboratories Licensing Corporation.
- Réducteur de bruits Dolby: Circuit fabriqué sous licence des Dolby Laboratories Licensing Corporation. Le mot "Dolby" et le symbole double D sont des marques déposées des Dolby Laboratories Licensing Corporation.

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.
- Im Interesse der Benutzer-Sicherheit sollte dieses Gerät wieder auf seinen ursprünglichen Zustand eingestellt und nur die vorgeschriebenen Teile verwendet werden.
- Dans l'intérêt de la sécurité de l'utilisateur, l'appareil devra être reconstitué dans sa condition première et seules des pièces identiques à celles spécifiées, doivent être utilisées.

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SHARP CORPORATION

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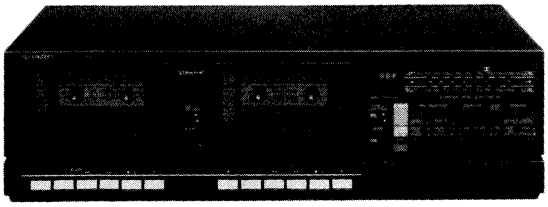

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SHARP CORPORATION

RT-W800H

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FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

Power source:	AC 110 V/127 V/220 V/240 V, 50/60 Hz
Power consumption:	18 W
Dimensions:	Width; 430 mm
	Height; 122 mm
	Depth; 249 mm
Weight:	4.1 kg
Tape:	Compact cassette tape
Tape speed:	4.75 cm/sec.
Wow & flutter:	0.08% (WRMS)
	±0.2% (DIN 45 500)
Frequency response:	
Normal tape;	40 – 13,000 Hz (DIN 45 500)
	(50 – 12,500 Hz ± 3 dB)
MAXELL UDXLII tape;	40 – 14,000 Hz (DIN 45 500)
	(50 – 13,000 Hz ±3 dB)
TDK Metal tape;	40 – 16,000 Hz (DIN 45 500)
	(50 – 14,000 Hz ± 3 dB)
S/N ratio: (MAXELL UDXLII tape)	
Dolby NR off;	56 dB
Dolby NR effect;	10 dB (at over 5 kHz, Type B)
	20 dB (1 kHz to 10 kHz, Type C)
Input sensitivity and input impedance:	
Microphones;	0.2 mV (18 kohms)
Line In;	50 mV (50 kohms)
DIN In;	0.6 mV (18 kohms)
Output level and loaded impedance:	
Headphones;	0.2 mW ("0" dB), 8 ohms
Line Out;	550 mV ("0" dB), 50 kohms
DIN Out;	550 mV ("0" dB), 50 kohms

Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

1. Deck 1: Cassette Compartment
2. Deck 1: Mode Selector Switch
3. Deck 1: Tape Direction Switch
4. Deck 2: Cassette Compartment
5. Deck 2: Mode Selector Switch
6. Deck 2: Tape Direction Switch
7. Deck 2: Tape Counter and Counter Reset Button
8. Sharpscan Peak Level Display Meters
9. Deck 1: Reverse Button
10. Deck 1: Play Button
11. Deck 1: Fast Wind APSS Button
12. Deck 1: Stop/Eject Button
13. Deck 1: Pause Button
14. Deck 2: Record Button
15. Deck 2: Play Button
16. Deck 2: Fast Wind Buttons
17. Deck 2: Stop/Eject Button
18. Deck 2: Pause Button
19. Headphones Socket
20. Microphone Sockets
21. Record Level Controls
22. Power Switch
23. Deck 1: Tape Selector Switch
24. Deck 2: Tape Selector Switches
25. Dolby NR Switches
26. Continuous Playback Switch
27. Dubbing Source Selector Switch
28. Dubbing Speed Selector Switch
29. Line Output Sockets
30. Line Input Sockets
31. Input Selector Switch
32. DIN Record/Playback Socket
33. AC Power Supply Cord
34. AC Voltage Selector

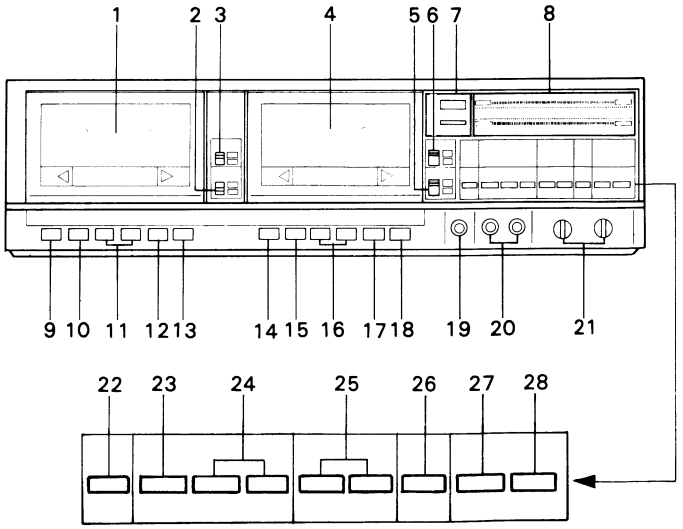

Figure 2–1

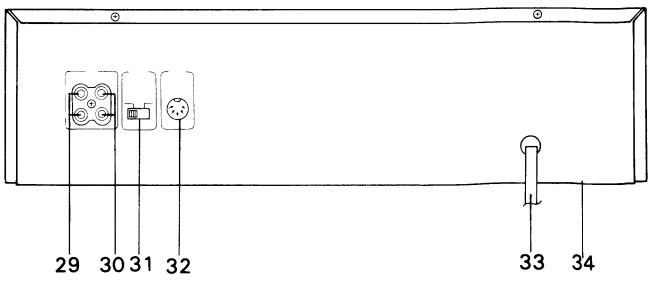

Figure 2–2

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EINE VOLLSTÄNDIGE BESCHREIBUNG DER BEDIENUNG DIESES GERÄTES IST IN DER BEDIENUNGSANLEITUNG ENTHALTEN.

TECHNISCHE DATEN

Spannungsversorgung:	Netzspannung, 110 V/127 V/220 V/240 V, 50/60 Hz
Leistungsaufnahme:	18 W
Abmessungen:	Breite; 430 mm Höhe; 122 mm Tiefe; 249 mm
Gewicht:	4,1 kg
Band:	Kompaktcassettenband
Bandgeschwindigkeit:	4,75 cm/s
Gleichlaufschwankungen:	0,08% (WRMS) ±0,2% (DIN 45 500)
Frequenzgang:	
Normalband:	40 – 13 000 Hz (DIN 45 500) (50 – 12 500 Hz ± 3 dB)
MAXELL UDXLII-Band;	40 – 14 000 Hz (DIN 45 500) (50 – 13 000 Hz ±3 dB)
TDK-Reineisenband;	40 – 16 000 Hz (DIN 45 500) (50 – 14 000 Hz ±3 dB)
Rauschabstand (MAXELL UDXLII-Band):	
Dolby NR Aus;	56 dB
Dolby NR Effekt;	10 dB (bei über 5 kHz, Typ B) 20 dB (1 kHz bis 10 kHz, Typ C)
Eingangsempfindlichkeit und -impedanz	
Mikrofoneingang;	0,2 mV (18 kOhm)
Direkteingang;	50 mV (50 kOhm)
DIN-Eingang;	0,6 mV (18 kOhm)
Ausgangspegel und Belastungsimpedanz:	
Kopfhörerausgang;	0,2 mW (''0'' dB), 8 Ohm
Direktausgang;	550 mV (''0'' dB), 50 kOhm
DIN-Ausgang;	550 mV (''0'' dB), 50 kOhm

Die technischen Daten für dieses Modell können ohne vorherige Ankündigung Änderungen unterworfen sein.

BEZEICHNUNG

1. Deck 1: Cassettenfach
2. Deck 1: Betriebsartenwahlschalter
3. Deck 1: Bandrichtungsschalter
4. Deck 2: Cassettenfach
5. Deck 2: Betriebsartenwahlschalter
6. Deck 2: Bandrichtungsschalter
7. Deck 2: Bandzählwerk und Zählwerkrückstelltaste
8. Sharpscan-Spitzenwertanzeigen
9. Deck 1: Bandumkehrtaste
10. Deck 1: Wiedergabetaste
11. Deck 1: Tasten für Schnellumspul/APSS
12. Deck 1: Stopp-/Auswurftaste
13. Deck 1: Pausentaste
14. Deck 2: Aufnahmetaste
15. Deck 2: Wiedergabetaste
16. Deck 2: Schnellumspltasten
17. Deck 2: Stopp-/Auswurftaste
18. Deck 2: Pausentaste
19. Kopfhörerbuchse
20. Mikrofonbuchsen
21. Aufnahmepegelsteller
22. Netzschalter
23. Deck 1: Bandsortenwahlschalter
24. Deck 2: Bandsortenwahlschalter
25. Dolby NR-Schalter
26. Dauerwiedergabeschalter
27. Überspielquellen-Wahlschalter
28. Überspielgeschwindigkeits-Wahlschalter
29. Direktausgangsbuchsen
30. Direkteingangsbuchsen
31. Eingangswahlschalter
32. DIN-Anschluß für Aufnahme/Wiedergabe
33. Netzzuleitungskabel
34. Netzspannungswähler

Ⓕ

POUR LA DESCRIPTION COMPLÈTE DU FONCTIONNEMENT DE CET APPAREIL, SE REPORTER AU MODE D'EMPLOI.

CARACTÉRISTIQUES

Alimentation:	CA 110 V/127 V/220 V/240 V, 50/60 Hz
Consommation:	18 W
Dimensions:	Largeur; 430 mm Hauteur; 122 mm Profondeur;249 mm
Poids:	4,1 kg
Bande:	Cassette compacte
Vitesse de défilement:	4,75 cm/s
Pleurage et scintillement:	0.08% (WRMS) ± 0,2% (DIN 45 500)
Réponse de fréquence:	
Bande normale;	40 à 13 000 Hz (DIN 45 500) (50 à 12 500 Hz ± 3 dB)
Bande MAXELL UDXLII;	40 à 14 000 Hz (DIN 45 500) (50 à 13 000 Hz ±3 dB)
Bande métallique TDK;	40 à 16 000 Hz (DIN 45 500) (50 à 14 000 Hz ±3 dB)
Rapport S/B: (Bande MAXELL UDXL II)	
Dolby NR hors circuit;	56 dB
Effet Dolby NR;	10 dB (à plus de 5 kHz, Type B) 20 dB (1 kHz à 10 kHz, Type C)
Sensibilité d'entrée et impédance d'entrée:	
Microphones;	0,2 mV (6,8 kohms)
Entrée de ligne;	50 mV (50 kohms)
Entrée DIN;	0,2 mV (6,8 kohms)
Niveau de sortie et impédance de charge:	
Casque;	0,2 mW (''0'' dB), 8 ohms
Sortie de ligne;	550 mV (''0'' dB), 50 kohms
Sortie DIN;	550 mV (''0'' dB), 50 kohms

Les caractéristiques de ce modèle sont sujettes à modification sans préavis.

NOMENCLATURE

1. Platine 1: Compartiment de cassette
2. Platine 1: Commutateur de sélection de mode
3. Platine 1: Commutateur de sens de défilement de bande
4. Platine 2: Compartiment de cassette
5. Platine 2: Commutateur de sélection de mode
6. Platine 2: Commutateur de sens de défilement de bande
7. Platine 2: Compteur de bande et bouton de remise à zéro du compteur
8. Compteurs de niveau de crête Sharpscan
9. Platine 1: Bouton d'inversion
10. Platine 1: Bouton de lecture
11. Platine 1: Boutons d'avance rapide/APSS
12. Platine 1: Bouton d'arrêt/éjection
13. Platine 1: Bouton de pause
14. Platine 2: Bouton d'enregistrement
15. Platine 2: Bouton de lecture
16. Platine 2: Boutons d'avance rapide
17. Platine 2: Bouton d'arrêt/éjection
18. Platine 2: Bouton de pause
19. Douille de casque
20. Douilles de microphones
21. Commandes de niveau d'enregistrement
22. Commutateur d'alimentation
23. Platine 1: Commutateur de sélection de bande
24. Platine 2: Commutateurs de sélection de bande
25. Commutateurs Dolby NR
26. Commutateur de lecture continue
27. Commutateur de sélection de source de copie
28. Commutateur de sélection de vitesse de copie
29. Douilles de sortie de ligne
30. Douilles d'entrée de ligne
31. Commutateur de sélection d'entrée
32. Duille d'enregistrement/lecture DIN
33. Câblage du cordon d'alimentation secteur
34. Sélecteur de tension de secteur

Ⓔ DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep its safety and excellent performance:

1. Take cassette tape out of the cassette holder.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Cabinet	1. Screw . . . . . (A) x 6	5–1
2	Bottom Plate	1. Screw . . . . . (B) x 2	5–2
3	Front Panel	1. Socket . . . . . (C) x 6	5–3
		2. Screw . . . . . (D) x 4	5–2
4	Mechanism Block	1. Counter Belt . . . (E) x 1	5–3
		2. Screw . . . . . (F) x 8	5–2, 3
5	LED PWB	1. Hook . . . . . (G) x 4	5–3
6	Control PWB	1. Knob . . . . . (H) x 2	5–2
		2. Screw . . . . . (I) x 2	5–3
7	Jack PWB	1. Screw . . . . . (J) x 2	5–3
8	Main PWB Dolby PWB	1. Screw . . . . . (K) x 5	5–4

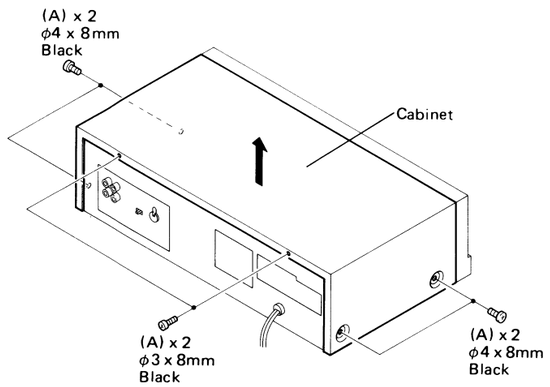

Figure 5–1

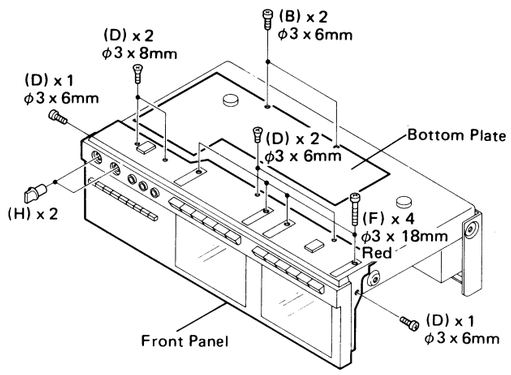

Figure 5–2

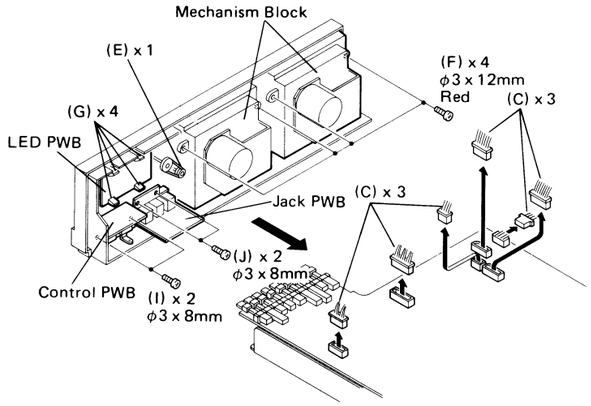

Figure 5–3

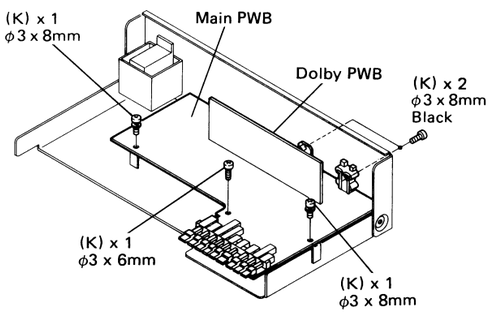

Figure 5–4

VOLTAGE SELECTION

The voltage selector is located on the bottom side of the unit. If adjustment is necessary, use a screwdriver in order to turn the selector in either direction until the correct voltage figure is displayed in the window next to the adjustment screw.

Ⓓ ZERLEGEN

Vorsichtsmassregeln für das zerlegen
Beim Zerlegen und Zusammenbauen des Gerätes die folgenden Anweisungen befolgen, um dessen Betriebssicherheit und ausgezeichnete Leistung aufrechtzuerhalten.

1. Cassette aus dem cassettenhalter entfernen.
2. Bevor mit dem Zerlegen des Gerätes begonnen wird, unbedingt den Netzkabelstecker aus der Netzsteckdose ziehen.
3. Nylonbänder oder Leitungshalter entfernen, falls dies beim Zerlegen des Gerätes erforderlich ist. Nach Warten des Gerätes darauf achten, die Leitungen wieder so zu verlegen, wie sie vor dem Zerlegen angeordnet waren.
4. Beim Ausführen von Wartungsarbeiten auf statische Elektrizität der integrierten Schaltkreise und anderen Schaltungen achten.

SCHRITT	ENTFERNEN	VERFAHREN	ABBILDUNG
1	Gehäuse	1. Schraube . . . . . (A) x 6	5–1
2	Bodenplatte	1. Schraube . . . . . (B) x 2	5–2
3	Frontplatte	1. Buchse . . . . . (C) x 6	5–3
		2. Schraube . . . . . (D) x 4	5–2
4	Laufwerkblock	1. Zählwerkriemen . (F) x 1	5–3
		2. Schraube . . . . . (G) x 8	5–2, 3
5	Leuchtdioden-Leiterplatte	1. Haken . . . . . (G) x 4	5–3
6	Steuerleiterplatte	1. Knopf . . . . . (H) x 2	5–2
		2. Schraube . . . . . (I) x 2	5–3
7	Klinkenleiterplatte	1. Schraube . . . . . (J) x 2	5–3
8	Hauptleiterplatte Dolby-Leiterplatte	1. Schraube . . . . . (K) x 5	5–4

SPANNUNGSWAHL

Der Spannungswähler befindet sich an der Bodenseite des Gerätes. Falls eine Änderung der Spannung notwendig sein sollte, benutzen Sie dazu einen Schraubenzieher. Drehen Sie den Spannungswähler in beliebiger Richtung, bis die gewünschte Spannungszahl im Fensternneben der Einstellschraube erscheint.

Ⓕ DÉMONTAGE

Précautions pour le démontage
Lors du démontage de l'appareil et de son remontage, suivre les précautions ci-dessous, pour maintenir la sécurité et d'excellentes performances.

1. Déposer la bande cassette du porte-cassette
2. S'assurer de retirer la fiche d'alimentation secteur de la prise murale avant de démarrer le démontage de l'appareil.
3. Déposer les bandes de nylon ou les serre-câbles si nécessaire lors du démontage de l'appareil. Après la réparation de l'appareil, s'assurer de redisposer les fils tel qu'ils étaient avant le démontage.
4. Faire attention à l'électricité statique des circuits intégrés et des autres circuits lors de la réparation.

ÉTAPE	DÉPOSE	PROCÉDÉ	FIGURE
1	Coffret	1. Vis . . . . . (A) x 6	5–1
2	Plaque de base	1. Vis . . . . . (B) x 2	5–2
3	Panneau avant	1. Douille . . . . . (C) x 6	5–3
		2. Vis . . . . . (D) x 4	5–2
4	Bloc du mécanisme	1. Courroie de compteur. . . . . (F) x 1	5–3
		2. Vis . . . . . (G) x 8	5–2, 3
5	PMI de LED	1. Crochet. . . . . (G) x 4	5–3
6	PMI de commande	1. Bouton . . . . . (H) x 2	5–2
		2. Vis . . . . . (I) x 2	5–3
7	PMI de jack	1. Vis . . . . . (J) x 2	5–3
8	PMI principale PMI Dolby	1. Vis . . . . . (K) x 5	5–4

SÉLECTION DE LA TENSION

Le sélecteur de tension est situé sur le fond de l'appareil. Si le réglage est nécessaire, utiliser un tournevis pour tourner le sélecteur dans un sens ou dans l'autre jusqu'à ce que le chiffre de la tension appropriée soit affiché dans la fenêtre voisine de la vis de réglage.

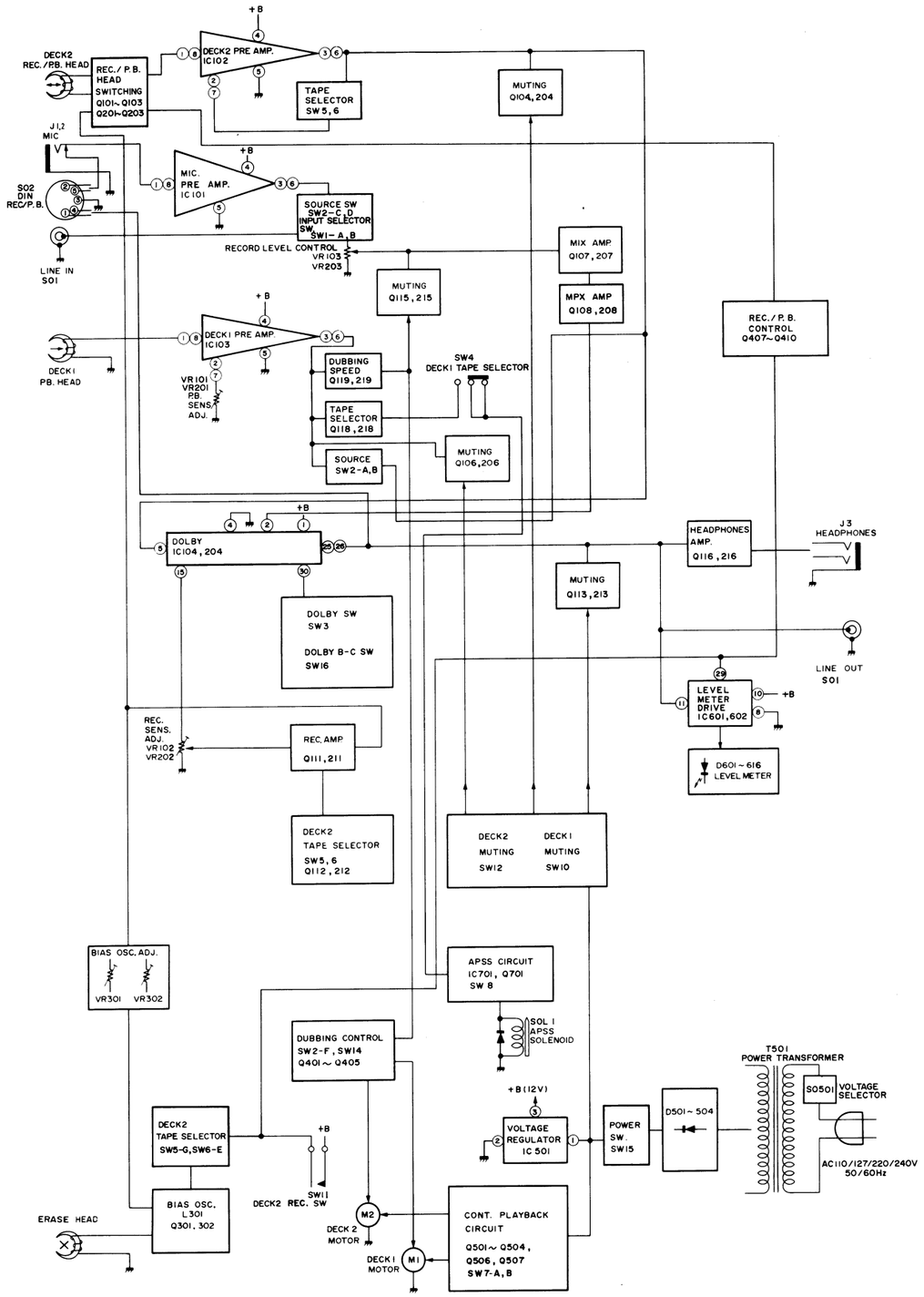

Figure 7 BLOCK DIAGRAM

(E) NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resistors, such symbols as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000K ohm and the resistor without any symbols is ohm-type resistor.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used; this symbol P means micro-microfarad and the unit of the capacitor without a such symbol is microfarad.
  Parts marked with "⚠" ( ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.
- The indicated voltage in each section is the one measured by electronic voltmeter between such a section and the chassis with no signal given.
- Schematic diagram and wiring side of P.W.Board for this model are subject to change for improvement without prior notice.

(D) ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN

- Widerstände:
  Um die Einheiten der Widerstände unterscheiden zu können, werden Symbole wie K und M benutzt. Das Symbol K bedeutet 1 000 Ohm und das Symbol M 1 000 Kilo ohm; Bei Widerständen ohne Symbol handelt es sich um ohmsche Widerstände. Außerdem sind die mit "Fusible" bezeichneten Widerstände Schmelzsicherungstypen.
- Kondensatoren:
  Zum Bezeichnen der Kondensatoreinheit wird das Symbol P benutzt; dieses Symbol P bedeutet Nanofarad. Die Einheit eines Kondensators ohne Symbol ist Mikrofarad. Für Elektrolytkondensatoren wird die Bezeichnung "Kapazität/-Stehspannung" benutzt.
- Die mit ⚠ ( ) bezeichneten Teile sind besonders wichtig für die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherheit als auch die Leistung des Gerätes aufrechtzuerhalten.
- Die in den einzelnen Teilen angegebenen Spannungen werden mit einem elektronischen Voltmeter zwischen dem betreffenden Teil und dem Chassis ohne Signalzuleitung gemessen.
- Änderungen der technischen Daten oder Verdrahtungspläne dieses Modells im Sinne der Verbesserung jederzeit vorbahalten.

(F) REMARQUES CONCERNANT LE DIAGRAMME SCHEMATIQUE

- Résistance:
  Pour différencier les unités de résistances, on utilise des symboles tels que K et M: le symbole K signifie 1000 ohms, le symbole M 1000 Kohms, et la résistance donnée sans symbole est une résistance de type ohm. En outre, celle qui est dotées de "Fusible" est de type à fusible.
- Condensateur:
  Pour indiquer l'unité de condensateur, on utilise le symbole P; ce symbole P signifie micro-microfarad, et l'unité de condensateur donnée sans ce symbole est le microfarad. En ce qui concerne le condensateur électrolytique, on utilise l'expression "tension de régime/capacité";
- Les pièces portant la marque ⚠ ( ) sont particulièrement importantes pour le maintien de la sécurité. S'assurer de les remplacer par des pièces du numéro de prèce spécifié pour maintenir la sécurité et la performance de l'appareil.
- La tension indiquée dans chaque section est celle mesurée par le voltmètre électronique entre la section en question et le châssis, en l'absence de tout signal.
- Les caractéristiques ou diagrammes de câblage sont susceptibles d'être modifiés, à des fins d'amélioration, sans aucun préavis.

Ⓔ CIRCUIT ADJUSTMENT (AUDIO SECTION)

SETTING POSITION OF SWITCH AND KNOB	Dolby NR Switch: off Dubbing Speed: Normal Deck 1 Tape Selector Switch: 120μs Deck 2 Tape Selector Switch: Normal Source Switch: LINE		
ITEM	**INPUT**	**ADJUSTMENT POINT**	**REMARKS (CHECK)**
BIAS OSCILLATION FREQUENCY	———	L301	Metal: 105 ± 5 kHz
BIAS CURRENT	———	L: VR301 R: VR302	**Normal**: 15.0V **(Metal**: 38 ± 4V) (CrO_2: 22 ± 3V)
ERASE CURRENT	———	———	**Metal**: 38.5 ± 4V
DECK 1 PLAYBACK SENSITIVITY	Test tape MTT-150	L: VR101 R: VR201	1. Normal: 520 mV 2. See that the segments of up to 0dB are lighting up. If the segments of up to −3dB or of up to +3dB are lighting up, take the procedures shown in the Table *1.
DECK 2 PLAYBACK SENSITIVITY	Test tape MTT-150	———	See that the electronic voltmeter reading is within the range from 463 mV to 583 mV. If not, take the procedures shown in the Table *2.
RECORD/ PLAYBACK SENSITIVITY	Non-recorded tape MTT-502 1kHz, −13dBV (−3dB REC)	L: VR102 R: VR202	1. Adjust the record level control knobs so that the electronic voltmeter reads 370 mV. 2. Playback the normal tape recorded and adjust the semi-variable resistor so that the electronic voltmeter reads 370 mV.

Table *1

Lighting segments	Procedures
Up to −3dB	Cut the resistor R197 or R297.
Up to +3dB	Cut the resistor R196 or R296.

Table *2

Voltmeter reads	Procedures
More than 583mV	Cut the resistor R114 or R214.
Less than 463mV	Cut the resistor R113 or R213.

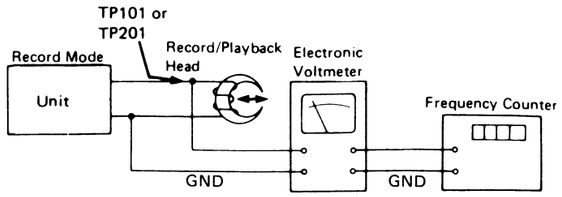

Figure 9–1 BIAS OSCILLATOR FREQUENCY /BIAS CURRENT

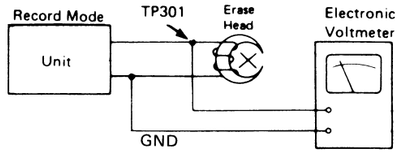

Figure 9–2 ERASE CURRENT

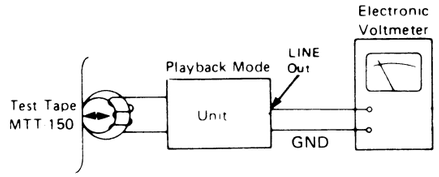

Figure 9–3 DECK 1/DECK 2 PLAYBACK SENSITIVITY

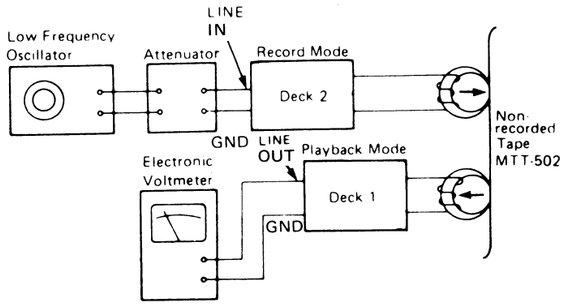

Figure 9–4 RECORD/PLAYBACK SENSITIVITY

Ⓓ SCHALTUNGSEINSTELLUNG (TONTEIL)

SCHALTER- UND STELLER-EINSTELL-POSITION	Dolby-NR-Schalter: Aus Überspielgeschwindigkeit: Normal Deck 1 Wahlschalter: 120μs Deck 2 Wahlschalter: Normal Programmquellenwahlschalter: LINE		
BENNENNUNG	**EINGANG**	**EINSTELL-PUNKT**	**BEMERKUNGEN (PRÜFUNG)**
VORMAGNETI-SIERUNGS-SCHWING FREQUENZ	———	L301	Reineisenband: 105 ± 5 kHz
VORMAGNETI-SIERUNGS-STROM	———	L: VR301 R: VR302	Normalband: 15,0V (Reineisenband: 38 ± 4V) (CrO_2 - Band: 22 ± 3V)
LÖSCHSTROM	———	———	Reineisenband: 38,5 ± 4V
WIEDERGABE-EMPFINDLICH-KEIT VON DECK 1	Testband MTT-150	L: VR101 R: VR201	1. Normalband: 520 mV 2. Überprüfen, ob die Segmente von bis zu 0 dB aufleuchten. Wenn die Segmente von bis zu −3 dB oder von bis zu +3 dB aufleuchten, die Nachstellung gemäß Tabelle *1 vornehmen.
WIEDERGABE-EMPFINDLICH-KEIT VON DECK 2	Testband MTT-150	———	Überprüfen, ob der elektronische Spannungsmesser 463 mV bis 583 mV anzeigt. Wenn es nicht so ist, die Nachstellung gemäß Tabelle *2 vornehmen.
AUFNAHME-/ WIEDERGABE-EMPFINDLICH-KEIT	Unbespieltes Band MTT-502 1 kHz, −13 dBV (−3 dB AUFNAHME)	L: VR102 R: VR202	1. Den Aufnahmepegelsteller so einstellen, daß der elektronische Spannungsmesser 370 mV anzeigt. 2. Das bespielte Normalband wiedergeben und den Trimmer so einsteelen, daß der elektronische Spannungsmesser 370 mV anzeigt.

Tabelle *1

Aufleuchtende Segmente	Verfahren
Bis zu −3 dB	Den Widerstand R197 oder R297 trennen.
Bis zu +3 dB	Den Widerstand R196 oder R296 trennen.

Tabelle *2

Anzeige des Spannungsmessers	Verfahren
Mehr als 583 mV	Den Widerstand R114 oder R214 trennen.
Weniger als 463 mV	Den Widerstand R113 oder R213 trennen.

Ⓕ RÉGLAGE DU CIRCUIT (SECTION DU AUDIO)

RÉGLAGE DE LA POSITION DES COMMUTATEURS ET DES BOUTONS	Commutateur Dolby NR: Coupé Vitesse de copie: Normale Platine 1: Commutateur de sélection: 120μs Platine 2: Commutateur de sélection: Normale Commutateur de sélection de source: LINE		
ARTICLE	**ENTRÉE**	**POINT DE RÉGLAGE**	**REMARQUES (VÉRIFICATION)**
FRÉQUENCE DE L'OSCILLATION DE POLARISATION	———	L301	Metal: 105 ± 5 kHz
COURANT DE POLARISATION	———	G: VR301 D: VR302	Normal: 15,0V (Metal: 38 ± 4V) (CrO_2: 22 ± 3V)
COURANT D'EFFACEMENT	———	———	Metal: 38,5 ± 4V
SENSIBILITÉ DE LECTURE DE LA PLATINE 1	Bande d'essai MTT-150	G: VR101 D: VR201	1. Normal: 520 mV 2. Voir si les segments au-dessus de 0 dB sont allumés. Si les segments jusqu'à −3 dB ou +3 dB sont allumés, effectuer les procédés indiqués dans le Tableau *1.
SENSIBILITÉ DE LECTURE DE LA PLATINE 2	Bande d'essai MTT-150	———	Voir si l'indication du voltmètre électronique se situe entre 463 mV et 583 mV. Sinon, effectuer les procédés indiqués dans le Tableau *2.
SENSIBILITÉ D'ENREGISTREMENT/LECTURE	Bande non enregistrée MTT-502 1 kHz, −13 dBV (−3 dB, ENREGISTREMENT)	G: VR102 D: VR202	1. Régler la bouton de commande de niveau du disque de telle sorte que le voltmètre électronique indique 370 mV. 2. Lire une bande normale enregistrée et régler la résistance semi-variable de telle sorte que le voltmètre électronique indique 370 mV.

Tableau *1

Segments allumés	Procédés
Jusqu'à −3 dB	Couper la résistance R197 ou R297
Jusqu'à +3 dB	Couper la résistance R196 ou R296

Tableau *2

Indication du voltmètre	Procédés
Superieure à 583 mV	Couper la résistance R114 ou R214
Inférieure à 463 mV	Couper la résistance R113 ou R213

SHARP

SERVICE MANUAL/SERVICE-ANLEITUNG/MANUEL DE SERVICE

SY6H8RTW800HK

RT-W800H(BK)
(SKC product)

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.
- Im Interesse der Benutzer-Sicherheit sollte dieses Gerät wieder auf seinen ursprünglichen Zustand eingestellt und nur die vorgeschriebenen Teile verwendet werden.
- Dans l'intérêt de la sécurité de l'utilisateur, l'appareil devra être reconstitué dans sa condition première et seules des pièces identiques à celles spécifiées, doivent être utilisées.

Ⓔ The above model which have so far been produced in Japan is now manufactured in Korea, and their parts are partially changed.
When servicing them, please refer to this Service Manual and also to the already issued Service Manual (S3634RTW800HK).

Ⓓ Das oben genannte Modell, das bislang in Japan produziert wurde, wird jetzt in Korea hergestellt.Einige Bauteile wurden geändert. Einzelheiten über die Wartung sind dieser Service-Anleitung sowie der bereits erschienenen Service-Anleitung (S3634RTW800HK) zu entnehmen.

Ⓕ Les modèles ci-dessus qui étaient produits jusqu'ici au Japon sont à présent produits en Corée, et les pièces des modèles sont partiellement changées.
Au moment de réparer les modèles, veuillez se reporter au Manuel de Service et à l'autre Manuel de Service déjà publié (S3634RTW800HK).

Ⓔ DIFFERENCE BETWEEN JAPAN AND KOREA
Ⓓ UNTERSCHIED ZWISCHEN JAPAN UND KOREA
Ⓕ DIFÉRENCE ENTRE JAPON ET CORÉE

REF. NO.	MADE IN JAPAN		MADE IN KOREA		DESCRIPTION
	PART NO.	CODE	PART NO.	CODE	
DIODES					
D501-504	VHD11E1TA2/-1	AB	VHD1N4002//-1	AB	Silicon,1N4002
D701	VHD11E1TA2/-1	AB	VHD1N4002//-1	AB	Silicon,1N4002
ZD401,402	VHERD4R7JS2-1	AB	VHEMTZ4R7B/-1	AB	Zener,4.7V,MTZ4.7B
ZD403	VHERD6R2JS2-1	AB	VHEMTZ6R2B/-1	AB	Zener,6.2V,MTZ6.2B
ZD405,406	VHERD4R7JS2-1	AB	VHEMTZ4R7B/-1	AB	Zener,4.7V,MTZ4.7B
ZD407	VHERD6R2JS2-1	AB	VHEMTZ6R2B/-1	AB	Zener,6.2V,MTZ6.2B
ZD501,502	VHERD200JS1-1	AB	VHEMTZ200C/-1	AB	Zener,20V,MTZ20C
ZD701	VHERD4R7JS2-1	AB	VHEMTZ4R7B/-1	AB	Zener,4.7V,MTZ4.7B
CABINET PARTS					
334	QACCV0001AGZZ	AL	QACCV0054AF08	AL	AC Power Supply Cord
336	TSPC-1614AFZZ	AB	TSPC-1743AFZZ	AB	Label,Spec.,Not Printed MADE IN KOREA
			TSPC-1744AFZZ	AB	Label,Spec.,Printed MADE IN KOREA

Ⓔ Note: Except for parts REF.No.336 all the parts made in Japan and Korea are interchangeable.

Ⓓ Hinweis: Außer den Teilen (REF Nr.336) sind alle in Japan und Korea hergestellten Teile austauschbar.

Ⓕ Note: Excepté les pièces de N°de REF336,toutes les pièces qui sont produites au Japon et en Corée sont interchangeables.

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Ⓔ MECHANICAL ADJUSTMENT (TAPE SECTION)

ITEM	JIG	ADJUSTMENT POINTS	REMARKS (CHECK)
Driving power	Tape tention measuring cassette TW-2412	———	More than 150 g
Torque	Torque meter Play TW-2111 Fast-forward TW-2231 Rewind TW-2231	———	(Play : 30—60 g-cm) (Fast-forward : 90—135 g-cm) (Rewind : 90—135 g-cm)
Azimuth	Test tape MTT-114	Azimuth adjusting screw	Sine waveform attains the maximum.
Tape speed	Test tape MTT-111	Normal speed Deck 1: VR404 Deck 2: VR402 High speed Deck 1: VR403 Deck 2: VR401	Normal speed 2,980 ± 10 Hz High speed (Short TP1① and TP1②) 5,960 ± 20 Hz

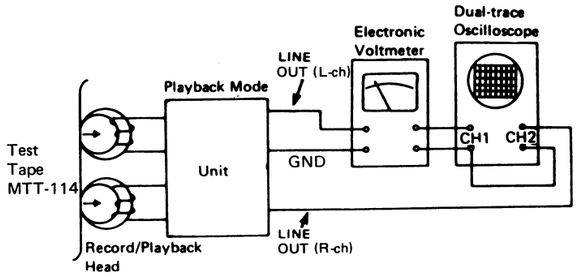


Figure 11—1 AZIMUTH

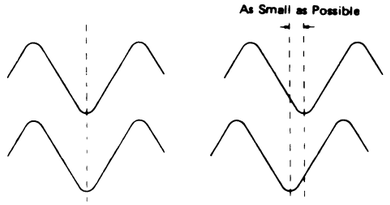
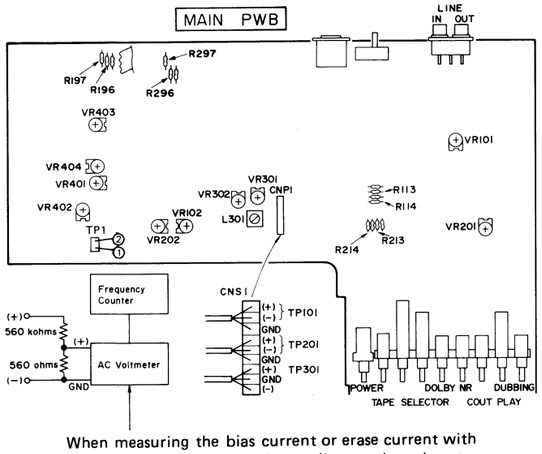


Figure 11—2 AZIMUTH WAVEFORM



When measuring the bias current or erase current with the electronic voltmeter, the reading on the voltmeter should be increased by a thousand times.

Figure 11—4 ADJUSTMENT POINTS

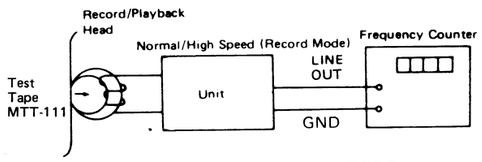


Figure 11—3 TAPE SPEED

TEST TAPES FOR MEASUREMENT

COMPACT CASSETTE TYPE			
TITLE	MODEL	FREQUENCY/ LEVEL	APPLICATION
FLUTTER	MTT-111	3 kHz, —10 dB	Tape speed, Wow and flutter check
AZIMUTH	MTT-113 MTT-113C MTT-114	6.3 kHz, —10 dB 8 kHz, —10 dB 10 kHz, —10 dB	Head azimuth adjustment
DISTORTION	MTT-118	1 kHz, —10 dB	Distortion check level adjustment
DOLBY LEVEL CALIBRATION	MTT-150	Dolby B-Type Tone 200 nwb/m	Dolby NR B-type level adjustment
BLANK	MTT-502	—	Record frequency check

TORQUE METER FOR COMPACT CASSETTE		
MODEL	MEASUREMENT RANGE	APPLICATION
TW-2111	10 — 100 g-cm	Normal : Playback torque
	1.5 — 10 g-cm	Normal : Back-tension
TW-2121	10 — 100 g-cm	Reverse : Playback torque
	1.5 — 10 g-cm	Reverse : Back tension
TW-2231	30 — 200 g-cm	Fast-forward, Rewind torque
TW-2412	0 — 300 g	Normal : Driving power
TW-2422	0 — 300 g	Reverse : Driving power

Ⓓ MECHANISCHE EINSTELLUNG (BANDTEIL)

BE-NENNUNG	FÜHRUNG-SLEHRE	EINSTELL-PUNKT	BEMERKUNGEN (PRÜFUNG)
Antriebs-kraft	Bandzug-Meßcassette TW-2412	———	Mehr als 150 g
Dreh-moment	Drehmoment-messer Weidergabe TW-2111 Schnellvorlauf TW-2231 Rückspulung TW-2231	———	(Wiedergabe: 35 — 60 g-cm) (Schnellvorlauf: 90 — 135 g-cm) (Rückspulung: 90 — 135 g-cm)
Azimut	Testband MTT-114	Azimuteinstell-schraube	Sinuswellenform wird maximal.
Bandge-schwin-digkeit	Testband MTT-111	Normal Geschwindigkeit Deck 1: VR404 Deck 2: VR402 Hohe Geschwindigkeit Deck 1: VR403 Deck 2: VR401	Normal Geschwindigkeit 2 980 ± 10 Hz Hohe Geschwindigkeit (TP1①und TP1② kurzschließen) 5 960 ± 20 Hz

TESTBÄNDER FÜR MESSUNG

KOMPAKTCASSETTENTYP			
BENENNUNG	MODELL	FREQUENZ/ PEGEL	ANWENDUNG
GLEICHLAUF-SCHWANK-UNGEN	MTT-111	3 kHz, —10 dB	Überprüfung der Bandgesch-windigkeit und Gleichlauf-schwankungen
AZIMUT	MTT-113 MTT-113C MTT-114	6,3 kHz, —10 dB 8 kHz, —10 dB 10 kHz, —10 dB	Kopfazimutein-stellung
KLIRR-FAKTOR	MTT-118	1 kHz, —10 dB	Verzerrungs-pegeleinstellung
DOLBY-PEGEL-EICHUNG	MTT-150	Ton von Dolby B-Typ 200 nwb/m	Dolby-NR B-Typ-Pegelein-stellung
LEER-CASSETTE	MTT-502	—	Überprüfung der Aufnahme-frequenz

DREHMOMENTMESSER FÜR KOMPAKTCASSETTE		
MODELL	MESSBEREICH	ANWENDUNG
TW-2111	10 — 100 g-cm	Normal : Wiedergabedrehmoment
	1,5 — 10 g-cm	Normal : Rückzug
TW-2121	10 — 100 g-cm	Rücklauf : Wiedergabedrehmoment
	1,5 — 10 g-cm	Rücklauf : Rückzug
TW-2231	30 — 200 g-cm	Schnellvorlauf-, Rückspul-drehmoment
TW-2412	0 — 300 g	Normal : Antriebskraft
TW-2422	0 — 300 g	Rücklauf : Antriebskraft

Ⓕ RÉGLAGE MÉCANIQUE (SECTION DU MAGNÉTOPHONE)

ARTICLE	GABARIT	POINTS DE RÉGLAGE	REMARQUES (VÉRIFICATION)
Puissance d'entraîne-ment	Cassette de mesure de tension de la bande TW-2412	———	Plus de 150 g
Couple	Compteur de couple Lecture: TW-2111 Avance rapide: TW-2231 Rebobinage: TW-2231	———	(Lecture: 35 à 60g-cm) (Avance rapide: 90 à 135 g-cm (Rebobinage: 90 à 135 g-cm
Azimuth	Bande d'essai MTT-114	Vis de réglage de l'azimuth	La forme d'onde sinusoïdale atteint le maximum.
Vitesse de la bande	Bande d'essai MTT-111	Vitesse normale Platine 1: VR404 Platine 2: VR402 Grande vitesse Platine 1: VR403 Platine 2: VR401	Vitesse normale 2 980 ± 10 Hz Grande vitesse (Court-cirouiter les TP1①et TP1②) 5 960 ± 20 Hz

BANDES D'ESSAI POUR MESURAGE

TYPE CASSETTE COMPACTE			
TITRE	MODÈLE	FRÉQUENCE/ NIVEAU	APPLICATION
PLEURAGE	MTT-111	3 kHz, —10 dB	Vérification de la vitesse de bande et du pleurage et scintillement
AZIMUTH	MTT-113 MTT-113C MTT-114	6,3 kHz, —10 dB 8 kHz, —10 dB 10 kHz, —10 dB	Réglage de l'azimuth de la tête
DISTORSION	MTT-118	1 kHz, —10 dB	Réglage de niveau de distorsion
CALIBRAGE DU NIVEAU DOLBY	MTT-150	Tonalité Dolby type B, 200 nwb/m	Réglage du niveau type B Dolby NR
ESPACE VIERGE	MTT-502	—	Vérification de la fréquence d'enregistrement

JAUGE DE COUPLE POUR CASSETTE COMPACTE		
MODÈLE	GAMME DE MESURE	APPLICATION
TW-2111	10 — 100 g-cm	Normal : Lecture d'enroulement
	1,5 — 10 g-cm	Normal : Tension arrière
TW-2121	10 — 100 g-cm	Retour : Lecture d'enroulement
	1,5 — 10 g-cm	Retour : Tension arrière
TW-2231	30 — 200 g-cm	Couple d'avance rapide et de rebobinage
TW-2412	0 — 300 g	Normal : Puissance d'entraînement
TW-2422	0 — 300 g	Retour : Puissance d'entraînement

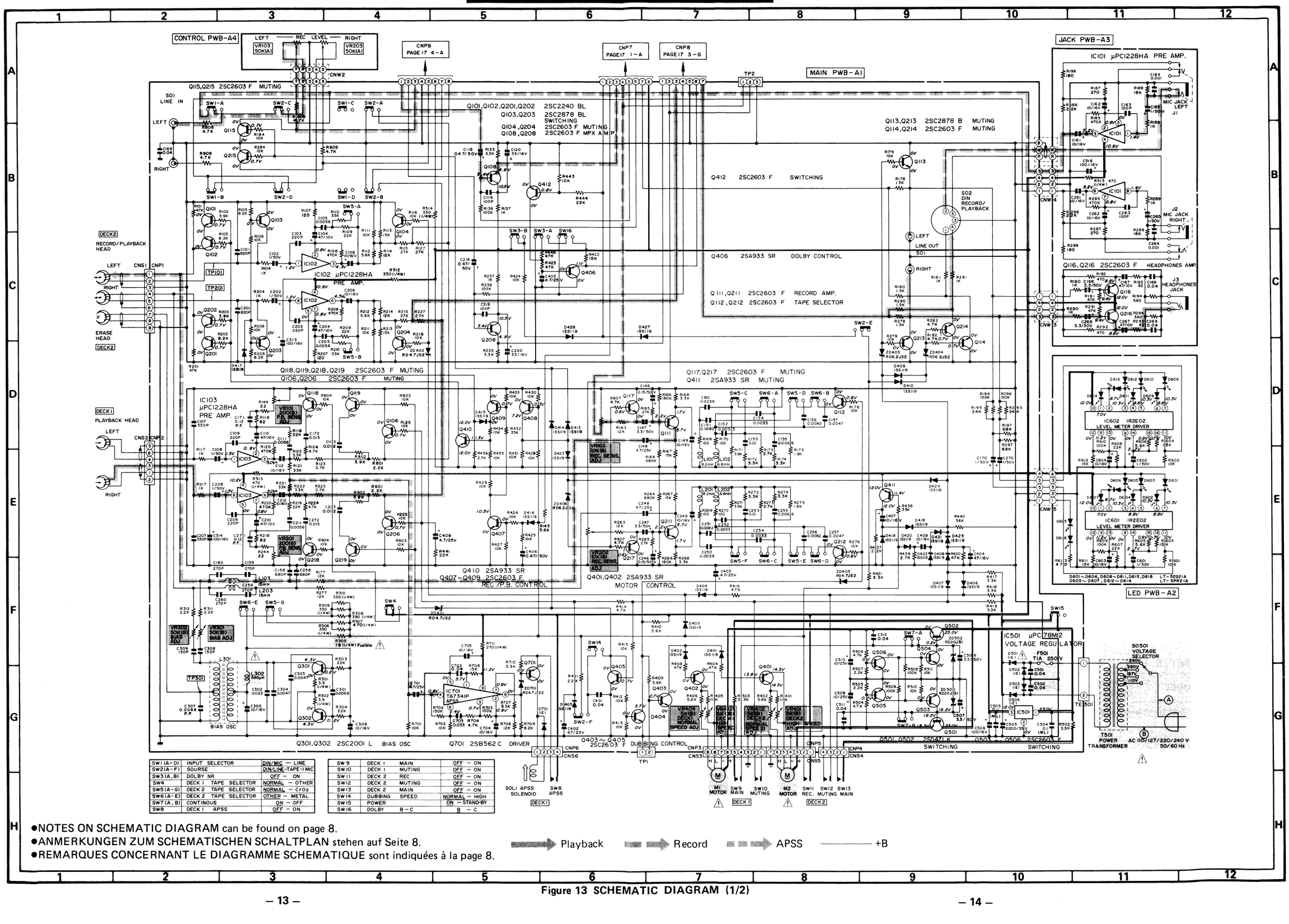

CONTROL PWB-A4
MAIN PWB-A1
JACK PWB-A3
LED PWB-A2
CNP9 PAGE17 4-A
CNP7 PAGE17 1-A
CNP8 PAGE17 3-G
TP2
Q101,Q102,Q201,Q202 2SC2240 BL
Q103,Q203 2SC2878 BL SWITCHING
Q104,Q204 2SC2603 F MUTING
Q108,Q208 2SC2603 F MPX AMP.
Q113,Q213 2SC2878 B MUTING
Q114,Q214 2SC2603 F MUTING
Q412 2SC2603 F SWITCHING
Q406 2SA933 SR DOLBY CONTROL
Q111,Q211 2SC2603 F RECORD AMP.
Q112,Q212 2SC2603 F TAPE SELECTOR
Q115,Q215 2SC2603 F MUTING
IC101 μPC1228HA PRE AMP.
IC102 μPC1228HA PRE AMP.
IC103 μPC1228HA PRE AMP.
Q116,Q216 2SC2603 F HEADPHONES AMP
Q118,Q119,Q218,Q219 2SC2603 F MUTING
Q106,Q206 2SC2603 F MUTING
Q117,Q217 2SC2603 F MUTING
Q411 2SA933 SR MUTING
IC602 IR2E02 LEVEL METER DRIVER
IC601 IR2E02 LEVEL METER DRIVER
IC501 μPC78MI2 VOLTAGE REGULATOR
Q410 2SA933 SR
Q407~Q409 2SC2603 F
REC/P.B. CONTROL
Q401,Q402 2SA933 SR
MOTOR CONTROL
Q403~Q405 2SC2603 F DUBBING CONTROL
Q301,Q302 2SC2001 L BIAS OSC
Q701 2SB562 C DRIVER
Q501,Q502 2SD471 K SWITCHING
Q503 2SC2603 F SWITCHING
S01 LINE IN
S02 DIN RECORD/ PLAYBACK
S0501 VOLTAGE SELECTOR
J1 MIC JACK LEFT
J2 MIC JACK RIGHT
J3 HEADPHONES JACK
DECK2 RECORD/PLAYBACK HEAD
DECK1 PLAYBACK HEAD
ERASE HEAD
BIAS OSC
SOL1 APSS SOLENOID
SW8 APSS
M1 MOTOR
M2 MOTOR
T501 POWER TRANSFORMER
AC 110/127/220/240 V 50/60 Hz
F501 T1A 250V
VR101 200K(B) P.B. SENS. ADJ.
VR102 10K(B) REC. SENS. ADJ.
VR201 200K(B) P.B. SENS. ADJ.
VR202 10K(B) REC. SENS. ADJ.
VR301 50K(B) BIAS ADJ
VR302 50K(B) BIAS ADJ
VR401 5K(B) DECK1 NORMAL SPEED ADJ
VR402 5K(B) DECK1 HIGH SPEED ADJ
VR403 5K(B) DECK2 NORMAL SPEED ADJ
VR404 5K(B) DECK2 HIGH SPEED ADJ
VR501 5K(B) DECK1 NORMAL SPEED ADJ
VR502 5K(B) DECK1 HIGH SPEED ADJ
VR503 5K(B) DECK2 NORMAL SPEED ADJ
VR504 5K(B) DECK2 HIGH SPEED ADJ
LEFT REC LEVEL RIGHT
VR103 50K(A)
VR203 50K(A)
SW1(A-D) INPUT SELECTOR DIN/MIC — LINE
SW2(A-F) SOURSE DIN/LINE-TAPE-1 MIC
SW3(A,B) DOLBY NR OFF — ON
SW4 DECK 1 TAPE SELECTOR NORMAL — OTHER
SW5(A-G) DECK 2 TAPE SELECTOR NORMAL — CrO2
SW6(A-E) DECK 2 TAPE SELECTOR OTHER — METAL
SW7(A,B) CONTINOUS ON — OFF
SW8 DECK 1 APSS OFF — ON
SW9 DECK 1 MAIN OFF — ON
SW10 DECK 1 MUTING OFF — ON
SW11 DECK 2 REC OFF — ON
SW12 DECK 2 MUTING OFF — ON
SW13 DECK 2 MAIN OFF — ON
SW14 DUBBING SPEED NORMAL — HIGH
SW15 POWER ON — STAND-BY
SW16 DOLBY B — C
•NOTES ON SCHEMATIC DIAGRAM can be found on page 8.
•ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN stehen auf Seite 8.
•REMARQUES CONCERNANT LE DIAGRAMME SCHEMATIQUE sont indiquées à la page 8.
Playback
Record
APSS
+B

Figure 13 SCHEMATIC DIAGRAM (1/2)

Figure 15 WIRING SIDE OF P.W.BOARD (1/2)

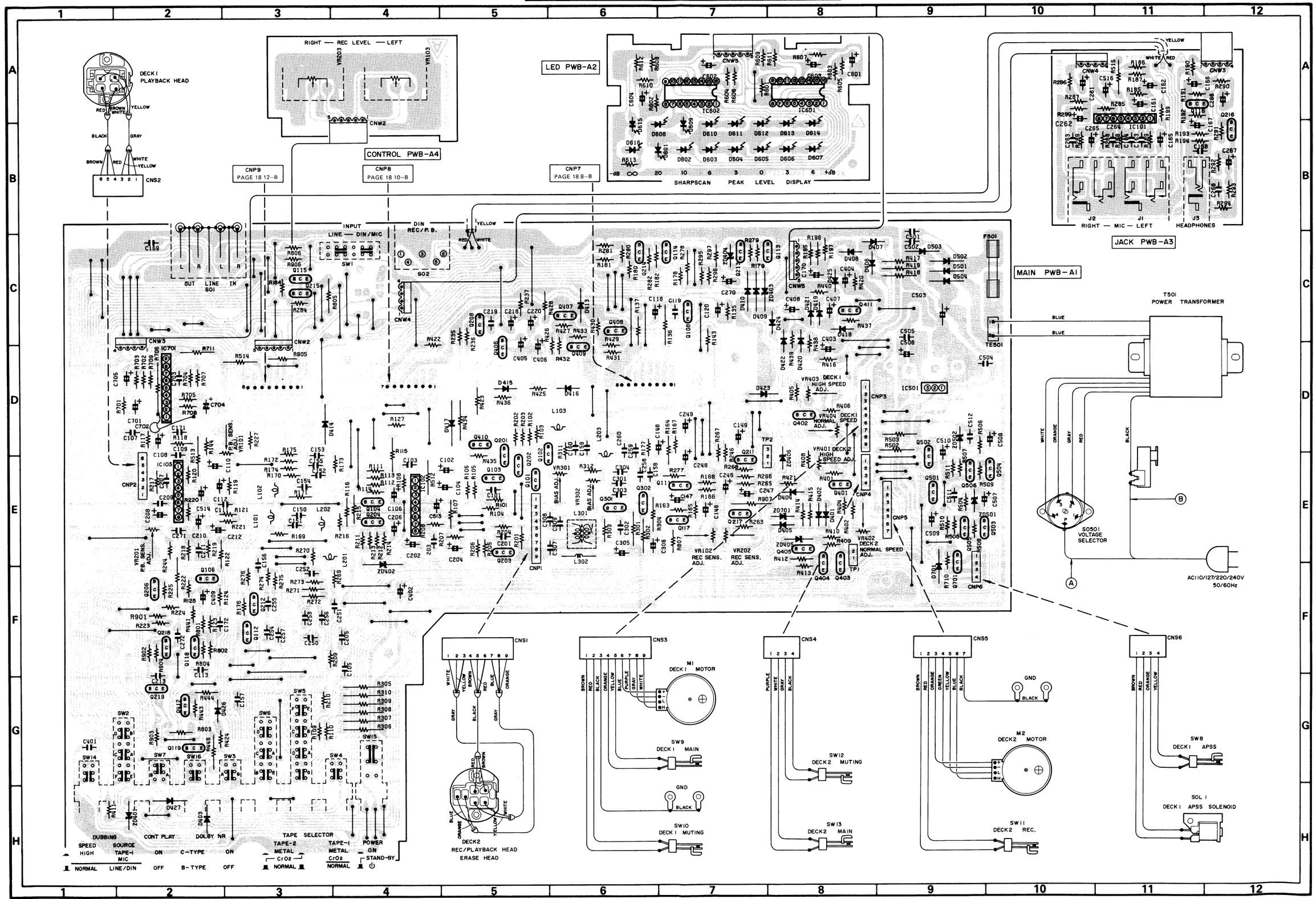
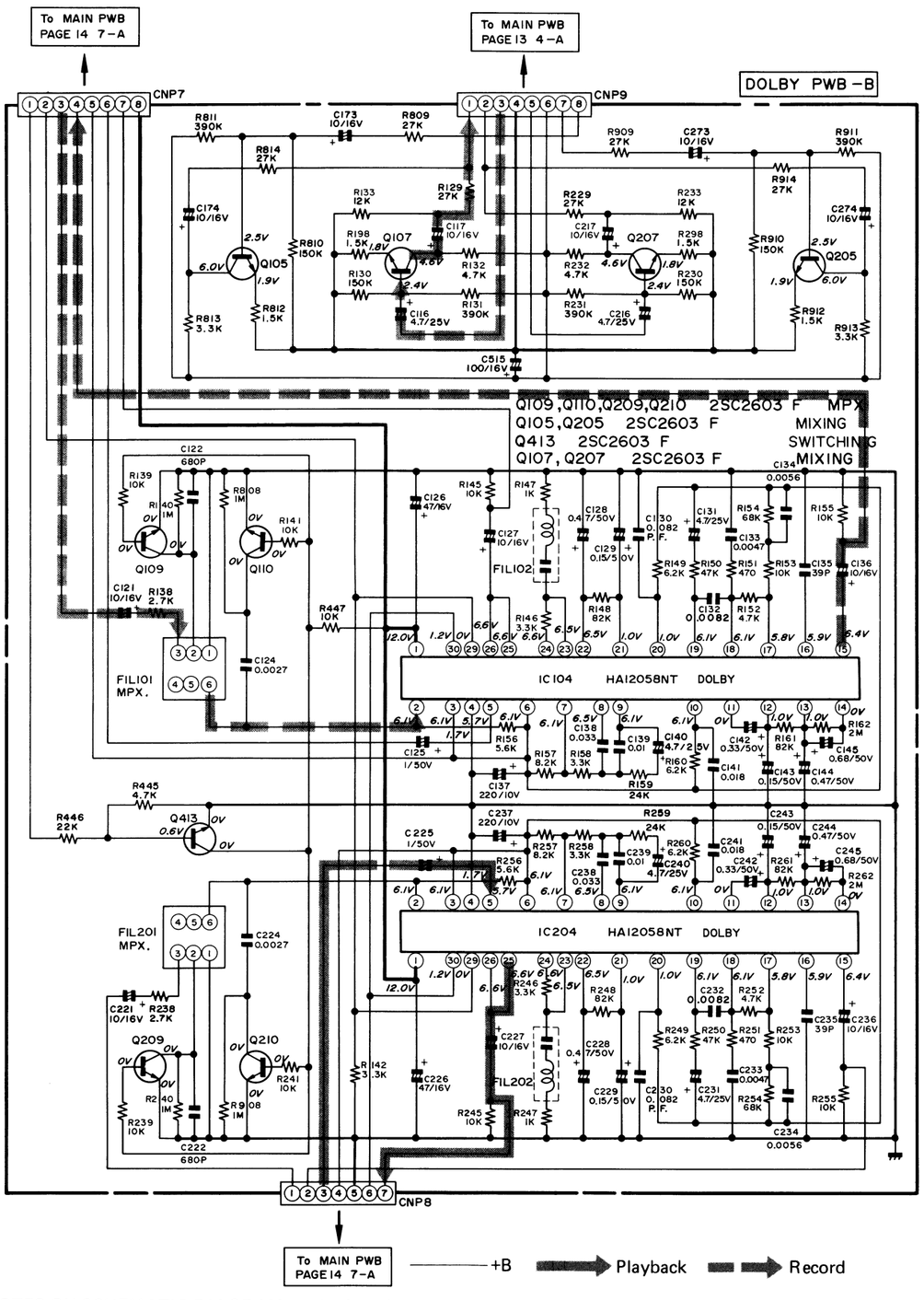
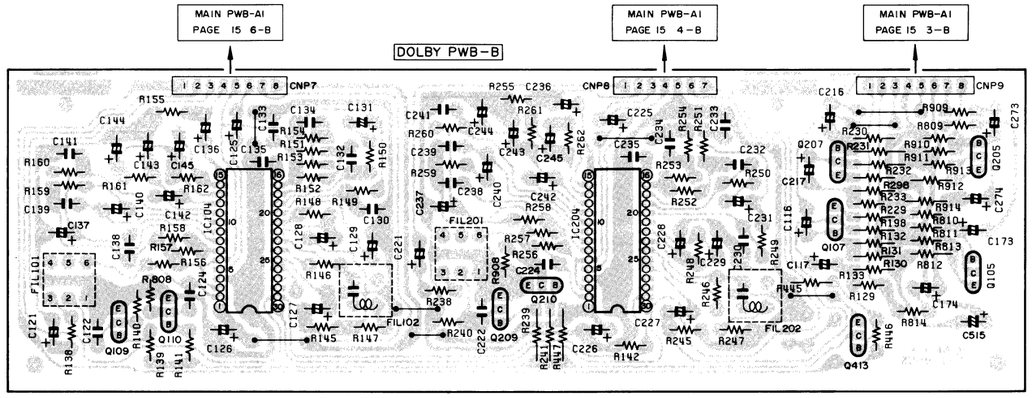
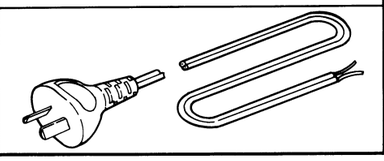
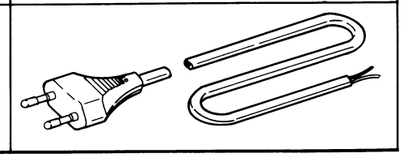


Figure 15 WIRING SIDE OF P.W.BOARD (1/2)





- NOTES ON SCHEMATIC DIAGRAM can be found on page 8.
- ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN stehen auf Seite 8.
- REMARQUES CONCERNANT LE DIAGRAMME SCHEMATIQUE sont indiquées à la page 8.

AC supply lead		QACCL0052AFZZ	QACCV0001AGZZ
Bushing		LBSHC0007AFZZ	LBSHC0004AGZZ
Connection	Ⓐ	Projection stripe	Brown
	Ⓑ	Brand stamp	Blue
Figure			

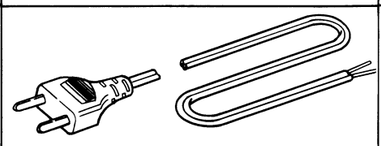
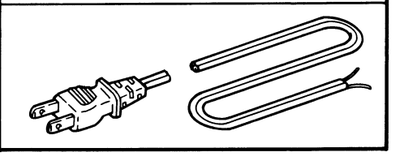
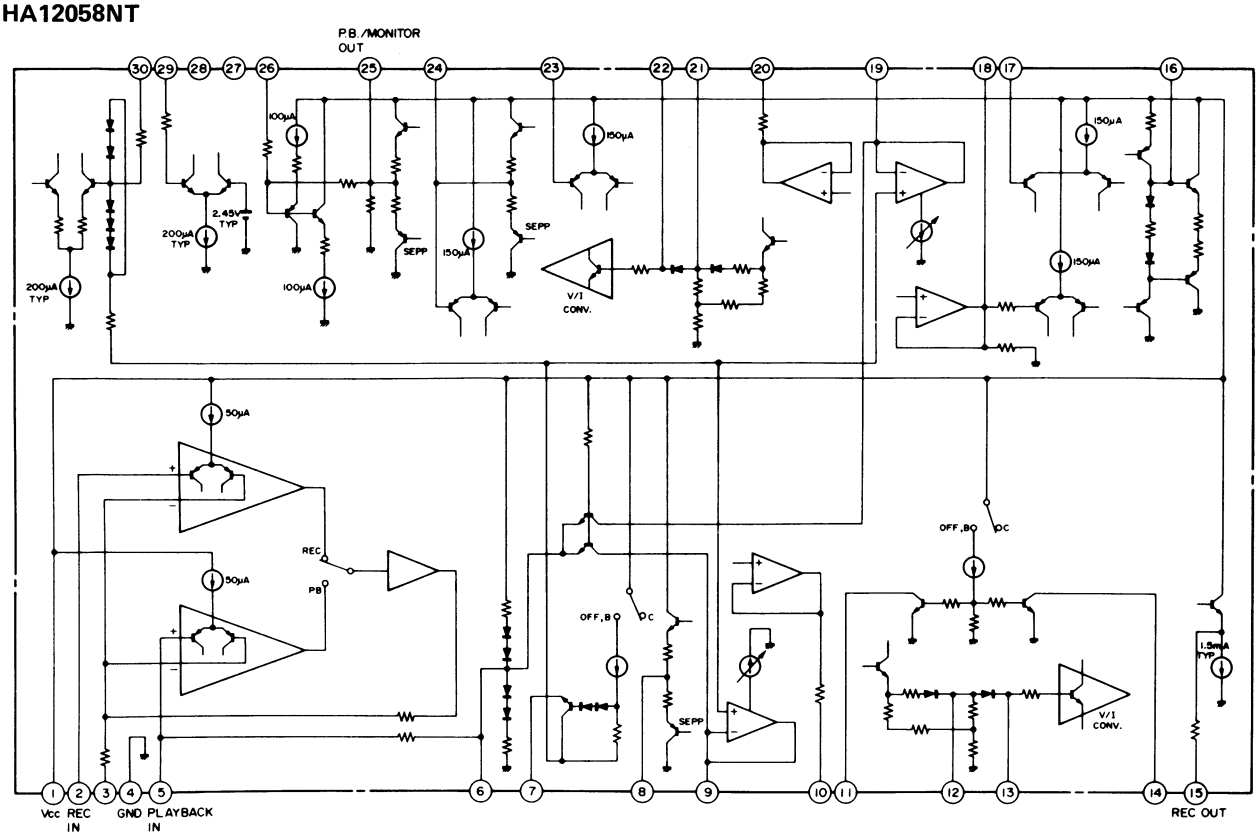
AC supply lead		QACCZ0053AF00	QACCZ0056AF00
Busing		LBSHC0007AFZZ	LBSHC0007AFZZ
Connection	Ⓐ	Black	Black
	Ⓑ	Black	Black
Figure			

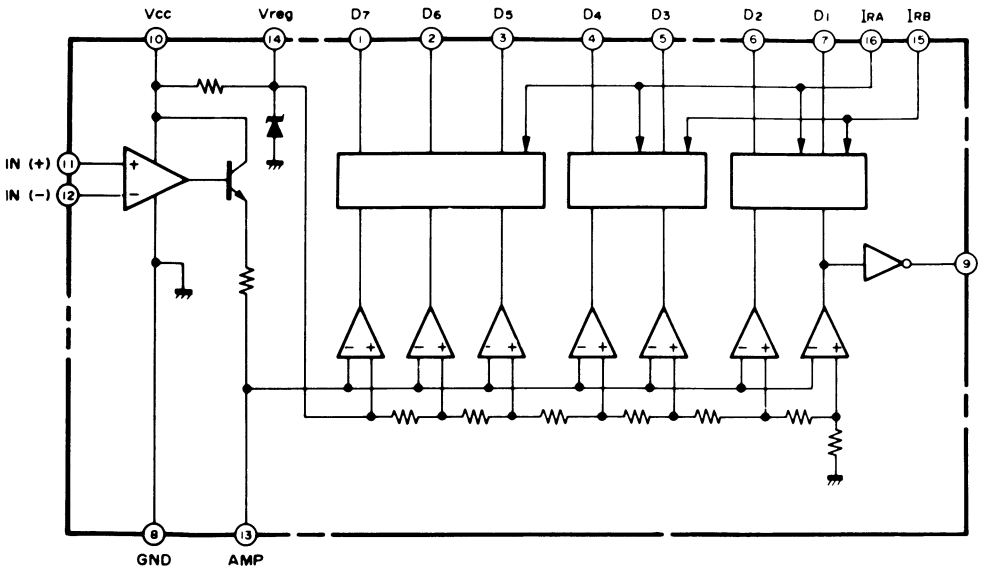
Figure 17 SCHEMATIC DIAGRAM (2/2)

Figure 18 WIRING SIDE OF P.W.BOARD (2/2)

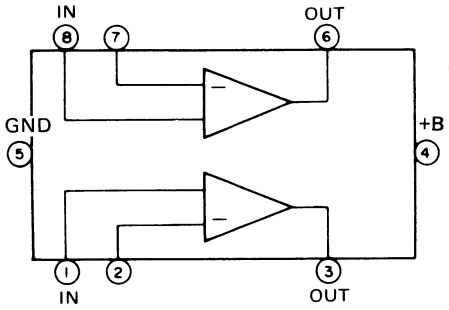
HA12058NT



IR2E02



μPC1288HA



TA7341P

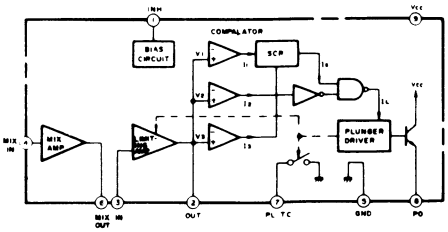
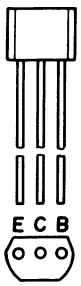
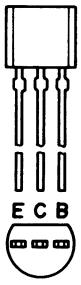


Figure 19–1 EQUIVALENT CIRCUIT (BLOCK DIAGRAM) OF IC

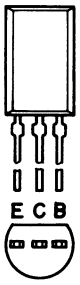
2SC2603 F



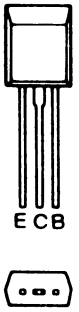
2SC2001 L
2SC2240 BL
2SC2878 B



2SB562 C



2SD471 K



LT-5EG21A
LT-5PR21A

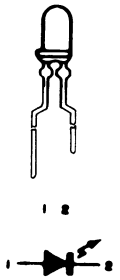
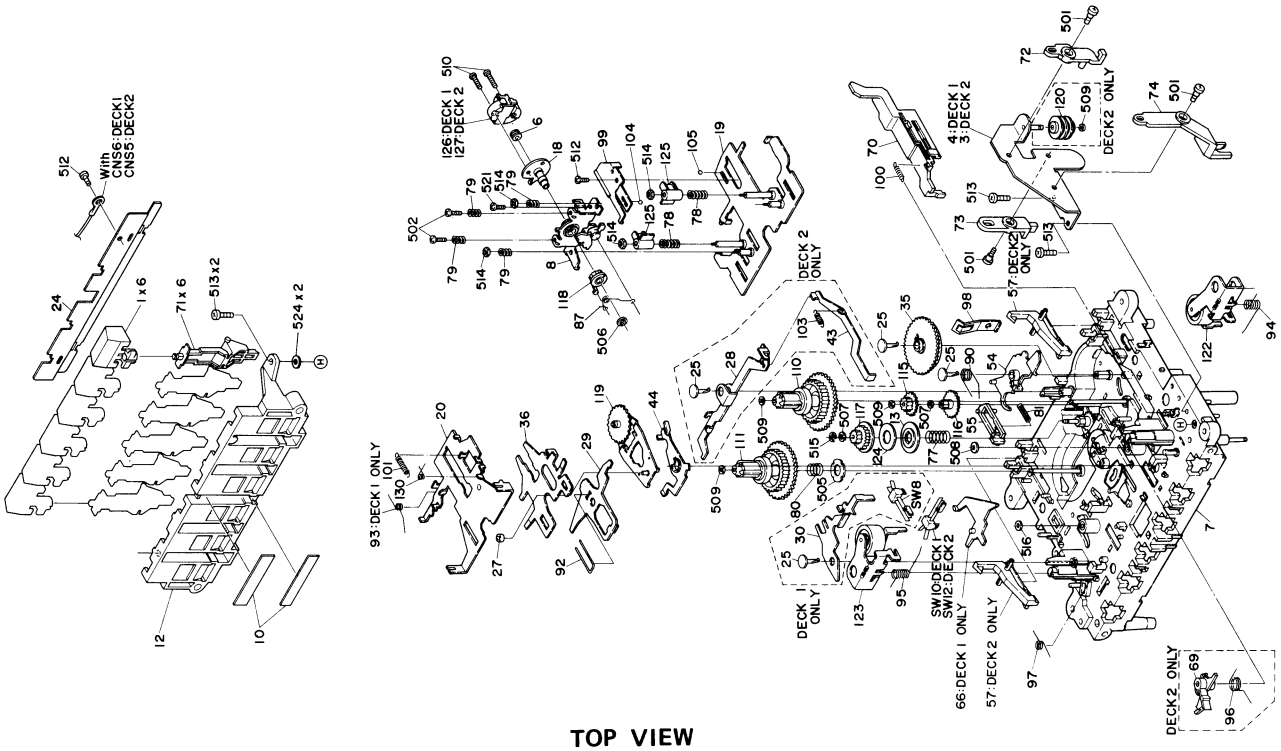


Figure 19–2 TYPES OF TRANSISTOR AND LED



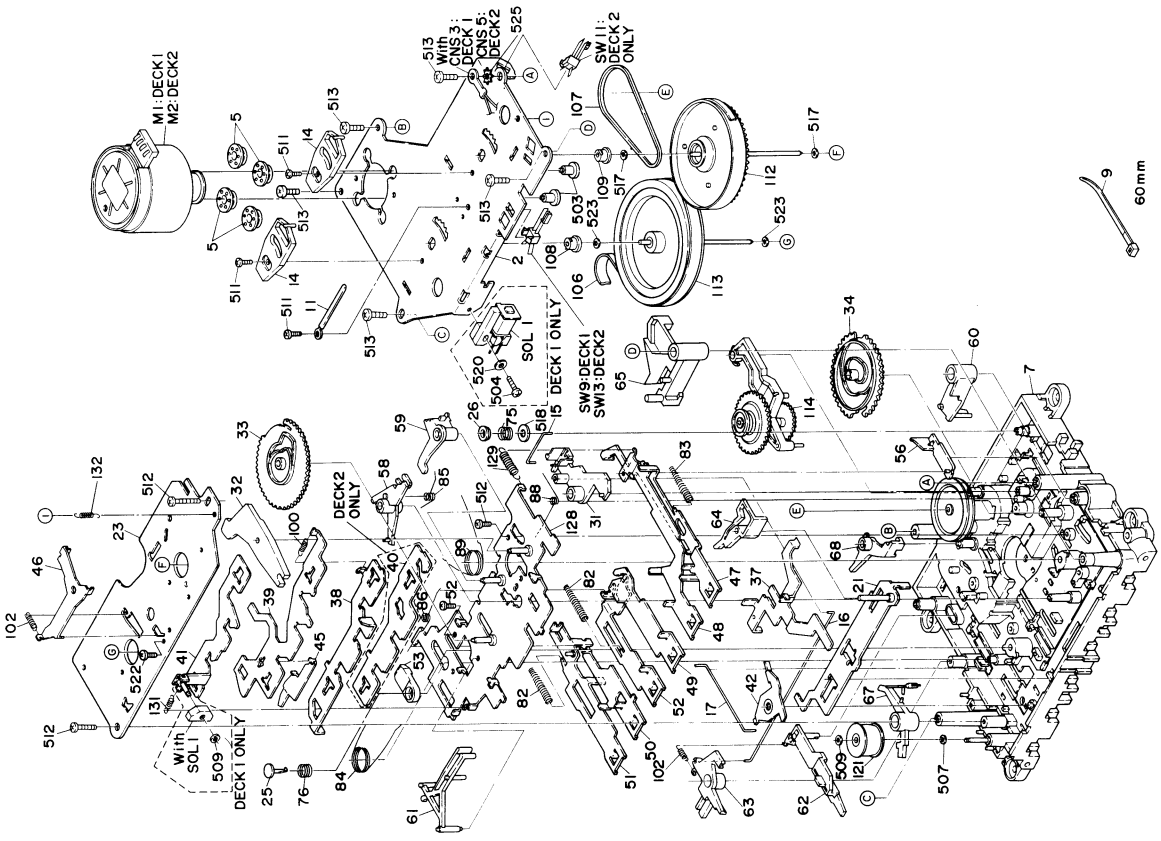


Figure 20 EXPLODED VIEW (MECHANISM)

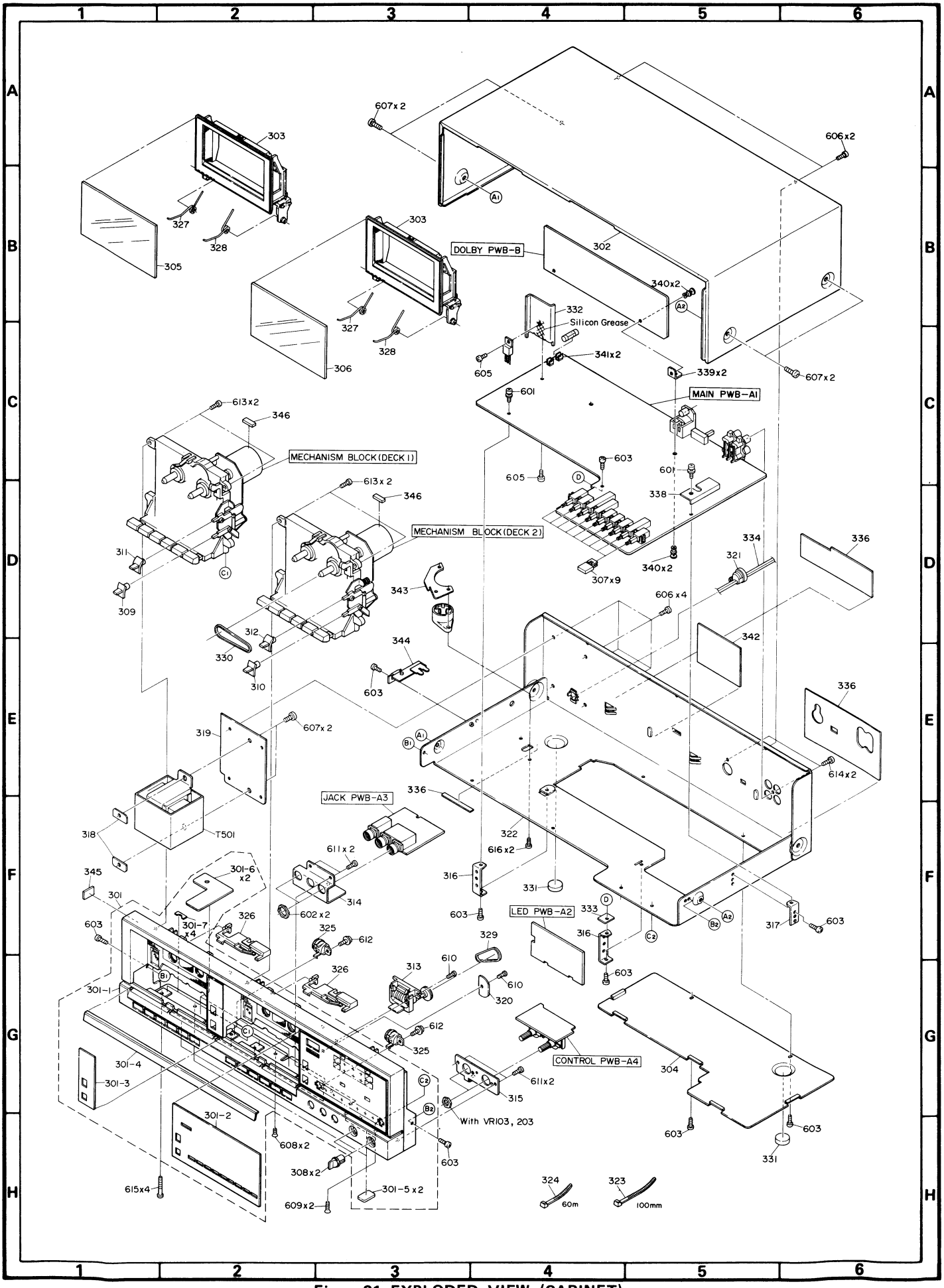


Figure 21 EXPLODED VIEW (CABINET)

Ⓔ REPLACEMENT PARTS LIST

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

Ⓓ ERSATZTEILLISTE

"BESTELLEN VON ERSATZTEILEN"

Um Ihren Auftrag schnell und richtig ausfuhren zu können, bitten wir um die folgenden Angaben.

1. MODELLNUMMER
2. REF. NR.
3. TEIL NR.
4. BESCHREIBUNG

ANMERKUNGEN:
Die mit ⚠ bezeichneten Teile sind besonders wichtig für die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherheit als auch die Leistung des Gerätes aufrechtzuerhalten.

Ⓕ LISTE DES PIÈCES DE RECHANGE

"COMMENT COMMANDER DES PIÈCES DE RECHANGE"

Pour voir votre commande exécutée de manière rapide et correcte, veuillez fournir les renseignements suivants.

1. NUMÉRO DU MODÈLE
2. N° DE RÉFÉRENCE
3. N° DE LA PIÈCE
4. DESCRIPTION

NOTE:
Les pièces portant la marque ⚠ sont particulièrement importantes pour le maintien de la securité. S'assurer de les remplacer par des pièces du numéro de pièce spécifié pour maintenir la sécurité et la performance de l'appareil.

REF.NO.	PART NO.	DESCRIPTION	CODE
		INTEGRATED CIRCUITS	
IC101~103	VHiUPC1228HA1	Pre Amp., μPC1228HA	AE
IC104	VHiHA12058NT1	Dolby NR Circuit, HA12058NT	AU
IC204	VHiHA12058NT1	Dolby NR Circuit, HA12058NT	AU
IC501	VHiUPC78M12H1	Voltage Regulator, μPC78M12H	AK
IC601,602	VHiiR2E02//-1	Level Meter Driver, IR2E02	AL
IC701	VHiTA7341P/-1	APSS Circuit, TA7341P	AG
		TRANSISTORS	
Q101,102	VS2SC2240BL-1	Silicon, NPN, 2SC2240 BL	AB
Q103	VS2SC2878B/-1	Silicon, NPN, 2SC2878 B	AC
Q104~112	VS2SC2603-F-1	Silicon, NPN, 2SC2603 F	AB
Q113	VS2SC2878B/-1	Silicon, NPN, 2SC2878 B	AC
Q114~119	VS2SC2603-F-1	Silicon, NPN, 2SC2603 F	AB
Q201,202	VS2SC2240BL-1	Silicon, NPN, 2SC2240 BL	AB
Q203	VS2SC2878B/-1	Silicon, NPN, 2SC2878 B	AC
Q204~212	VS2SC2603-F-1	Silicon, NPN, 2SC2603 F	AB
Q213	VS2SC2878B/-1	Silicon, NPN, 2SC2878 B	AC
Q214~219	VS2SC2603-F-1	Silicon, NPN, 2SC2603 F	AB
Q301,302	VS2SC2001-L-1	Silicon, NPN, 2SC2001 L	AB
Q401,402	VS2SA933SR/-1	Silicon, PNP, 2SA933 SR	AB
Q403~405	VS2SC2603-F-1	Silicon, NPN, 2SC2603 F	AB
Q406	VS2SA933SR/-1	Silicon, PNP, 2SA933 SR	AB
Q407~409	VS2SC2603-F-1	Silicon, NPN, 2SC2603 F	AC
Q410,411	VS2SA933SR/-1	Silicon, PNP, 2SA933 SR	AB
Q412,413	VS2SC2603-F-1	Silicon, NPN, 2SC2603 F	AC
Q501,502	VS2SD471-K/-A	Silicon, NPN, 2SD471 K	AD
Q503~506	VS2SC2603-F-1	Silicon, NPN, 2SC2603 F	AB
Q701	VS2SB562-C/-1	Silicon, PNP, 2SB562 C	AD
		DIODES	
D401~410	VHD1SS119//-1	Silicon, 1SS119	AA
D413~427	VHD1SS119//-1	Silicon, 1SS119	AA
D501~504	VHD11E1TA2/-1	Silicon, 11E1	AB
D601~604	VHPLT5EG21A-1	LED, Green, LT-5EG21A	AB
D605~607	VHPLT5PR21A-1	LED, Red, LT-5PR21A	AB
D608~611	VHPLT5EG21A-1	LED, Green, LT-5EG21A	AB
D612~614	VHPLT5PR21A-1	LED, Red, LT-5PR21A	AB
D615,616	VHPLT5EG21A-1	LED, Green, LT-5EG21A	AB
D701	VHD11E1TA2/-1	Silicon, 11E1	AB
ZD401,402	VHERD4R7JS2-1	Zener, 4.7V, RD4.7JS2	AB
ZD403,404	VHERD6R2JS2-1	Zener, 6.2V, RD6.2JS2	AB
ZD405	VHERD4R7JS2-1	Zener, 4.7V, RD4.7JS2	AB
ZD406	VHERD6R2JS2-1	Zener, 6.2V, RD6.2JS2	AB
ZD501,502	VHERD200JS1-1	Zener, 20V, RD20JS1	AA
ZD701	VHERD4R7JS2-1	Zener, 4.7V, RD4.7JS2	AB
		FILTERS	
FIL101	RCiLL0104AFZZ	Multiplex	AF
FIL102	RCiLL0079AFZZ	Skewing	AE
FIL201	RCiLL0104AFZZ	Multiplex	AF
FIL202	RCiLL0079AFZZ	Skewing	AE
		COILS	
L101	RCiLZ0159AFZZ	8.2 mH	AC
L102	RCiLZ0155AFZZ	6.8 mH	AC
L103	RCiLZ0120AFZZ	15 mH, Bias Trap	AC
L201	RCiLZ0159AFZZ	8.2 mH	AC
L202	RCiLZ0155AFZZ	6.8 mH	AC
L203	RCiLZ0120AFZZ	15 mH, Bias Trap	AC
L301	RCiLB0794AFZZ	Bias Oscillation	AD
⚠ L302	VP-CH561K0000	560 μH, Choke	AB
		TRANSFORMER	
⚠ T501	RTRNP1253AFZZ	Power	AW
		CONTROLS	
VR101	RVR-M0384AFZZ	200 ohms (B)	AB
VR102	RVR-M0391AFZZ	10 kohm (B)	AB
VR103	RVR-A0201AFZZ	50 kohms (A)	AE
VR201	RVR-M0384AFZZ	200 ohms (B)	AB
VR202	RVR-M0391AFZZ	10 kohm (B)	AB
VR203	RVR-A0201AFZZ	50 kohms (A)	AE
VR301,302	RVR-M0394AFZZ	50 kohms (B)	AB
VR401~404	RVR-M0390AFZZ	5 kohms (B)	AB
		ELECTROLYTIC CAPACITORS (Unless otherwise specified, electrolytic capacitors are ±20% type.)	
C102	VCEALA1HC105M	1 μF, 50V	AB
C104	RC-EZA476AF1A	47 μF, 10V	AB
C106	RC-EZA106AF1C	10 μF, 16V	AB

REF.NO.	PART NO.	DESCRIPTION	CODE
C108	VCEALA1HC105M	1 μF, 50V	AB
C110	RC-EZA476AF1A	47 μF, 10V	AB
C112	RC-EZA106AF1C	10 μF, 16V	AB
C116	RC-EZA475AF1E	4.7 μF, 25V	AB
C117	RC-EZA106AF1C	10 μF, 16V	AB
C118	RC-EZA474AF1H	0.47 μF, 50V	AB
C120	RC-EZA336AF1C	33 μF, 16V	AA
C121	RC-GZA106AF1C	10 μF, 16V	AB
C125	RC-EZA105AF1H	1 μF, 50V	AA
C126	RC-EZA476AF1C	47 μF, 16V	AB
C127	RC-EZA106AF1C	10 μF, 16V	AB
C128	RC-EZA474AF1H	0.47 μF, 50V	AB
C129	RC-EZA154AF1H	0.15 μF, 50V	AB
C131	RC-EZA475AF1E	4.7 μF, 25V	AB
C136	RC-EZA106AF1C	10 μF, 16V	AB
C137	RC-GZA227AF1A	220 μF, 10V	AB
C140	RC-EZA475AF1E	4.7 μF, 25V	AB
C142	RC-EZA334AF1H	0.33 μF, 50V	AA
C143	RC-EZA154AF1H	0.15 μF, 50V	AB
C144	RC-EZA474AF1H	0.47 μF, 50V	AB
C145	RC-EZA684AF1H	0.68 μF, 50V	AB
C146	RC-EZA154AF1H	0.15 μF, 50V	AB
C147	RC-EZA335AF1H	3.3 μF, 50V	AA
C148	RC-EZA475AF1E	4.7 μF, 25V	AB
C149	RC-EZA106AF1C	10 μF, 16V	AB
C161,162	RC-EZA106AF1C	10 μF, 16V	AB
C165	RC-EZA105AF1H	1 μF, 50V	AA
C166	RC-EZA335AF1H	3.3 μF, 50V	AA
C167	RC-EZA476AF1A	47 μF, 10V	AA
C170	RC-EZA105AF1H	1 μF, 50V	AA
C173,174	RC-EZA106AF1C	10 μF, 16V	AB
C202	VCEALA1HC105M	1 μF, 50V	AB
C204	RC-EZA476AF1A	47 μF, 10V	AB
C206	RC-EZA106AF1C	10 μF, 16V	AB
C208	VCEALA1HC105M	1 μF, 50V	AB
C210	RC-EZA476AF1A	47 μF, 10V	AB
C212	RC-EZA106AF1C	10 μF, 16V	AB
C216	RC-EZA475AF1E	4.7 μF, 25V	AB
C217	RC-EZA106AF1C	10 μF, 16V	AB
C218	RC-EZA474AF1H	0.47 μF, 50V	AB
C220	RC-EZA336AF1C	33 μF, 16V	AA
C221	RC-EZA106AF1C	10 μF, 16V	AB
C225	RC-EZA105AF1H	1 μF, 50V	AA
C226	RC-EZA476AF1C	47 μF, 16V	AB
C227	RC-EZA106AF1C	10 μF, 16V	AB
C228	RC-EZA474AF1H	0.47 μF, 50V	AB
C229	RC-EZA154AF1H	0.15 μF, 50V	AB
C231	RC-EZA475AF1E	4.7 μF, 25V	AB
C236	RC-EZA106AF1C	10 μF, 16V	AB
C237	RC-GZA227AF1A	220 μF, 10V	AB
C240	RC-EZA475AF1E	4.7 μF, 25V	AB
C242	RC-EZA334AF1H	0.33 μF, 50V	AA
C243	RC-EZA154AF1H	0.15 μF, 50V	AB
C244	RC-EZA474AF1H	0.47 μF, 50V	AB
C245	RC-EZA684AF1H	0.68 μF, 50V	AB
C246	RC-EZA154AF1H	0.15 μF, 50V	AB
C247	RC-EZA335AF1H	3.3 μF, 50V	AA
C248	RC-EZA475AF1E	4.7 μF, 25V	AB
C249	RC-EZA106AF1C	10 μF, 16V	AB
C261,262	RC-EZA106AF1C	10 μF, 16V	AB
C265	RC-EZA105AF1H	1 μF, 50V	AA
C266	RC-EZA335AF1H	3.3 μF, 50V	AA
C267	RC-EZA476AF1A	47 μF, 10V	AA
C270	RC-EZA105AF1H	1 μF, 50V	AA
C273,274	RC-EZA106AF1C	10 μF, 16V	AB
C305,306	RC-EZA106AF1C	10 μF, 16V	AB
C402,403	RC-EZA475AF1E	4.7 μF, 25V	AB
C404	RC-EZA476AF1C	47 μF, 16V	AB
C405	RC-EZA475AF1E	4.7 μF, 25V	AB
C406	RC-EZA474AF1H	0.47 μF, 50V	AB
C407,408	RC-EZA106AF1C	10 μF, 16V	AB
C409	RC-EZA475AF1E	4.7 μF, 25V	AB
C503	RC-EZ1191AFZZ	2200 μF, 35V	AG
C506	RC-GZA107AF1C	100 μF, 16V	AB
C507,508	RC-EZA335AF1H	3.3 μF, 50V	AB
C509,510	RC-EZA106AF1E	10 μF, 25V	AB
C513~516	RC-GZA107AF1C	100 μF, 16V	AB
C601,602	RC-EZA105AF1H	1 μF, 50V	AB
C603,604	RC-EZA106AF1C	10 μF, 16V	AB
C701	RC-EZA475AF1E	4.7 μF, 25V	AB
C704,705	RC-EZA106AF1C	10 μF, 16V	AB

CAPACITORS

There are two types of capacitors available and they can be identified from each other by reading their Part Numbers.

- Ceramic type capacitor;
  A symbol "C" or "K" is given at the 3rd digit of its Part Number like "VCC(or K)●●●●●●●J."
- Semiconductor type capacitor;
  A symbol "T" is given at the 3rd digit of its Part Number like "VCT●●●●●●●J."

The capacitance error of each capacitor is indicated by the symbol given at the 13th digit of the Part Number as follows: "J" (±5%), "K" (±10%), "M" (±20%), "N" (±30%), "C" (±0.25 pF), "D" (±0.5 pF), "Z" (+80−20%).

C101	VCCSPA1HL821J	820 pF, 50V	AA
C103	VCCSPA1HL221J	220 pF, 50V	AA
C105	VCTYPA1EX562J	0.0056 μF, 25V	AA
C107	VCCSPA1HL331J	330 pF, 50V	AA
C109	VCCSPA1HL221J	220 pF, 50V	AA
C111	VCTYPA1EX562J	0.0056 μF, 25V	AA
C113	VCTYPA1EX123J	0.012 μF, 25V	AA
C119	VCCSPA1HL101J	100 pF, 50V	AA
C122	VCCSPA1HL681J	680 pF, 50V	AA
C124	VCTYPA1EX272J	0.0027 μF, 25V	AA
C130	VCFYHA1HA823J	0.082 μF, 50V, Polyethylene Film	AB
C132	VCTYPA1EX822J	0.0082 μF, 25V	AA
C133	VCTYPA1EX472J	0.0047 μF, 25V	AA
C134	VCTYPA1EX562J	0.0056 μF, 25V	AA
C135	VCCSPA1HL390J	39 pF, 50V	AA
C138	VCTYPA1EX333J	0.033 μF, 25V	AB
C139	VCTYPA1EX103J	0.01 μF, 25V	AA
C141	VCTYPA1EX183J	0.018 μF, 25V	AA
C150	VCTYPA1EX392J	0.0039 μF, 25V	AA
C151	VCTYPA1EX822J	0.0082 μF, 25V	AA
C152	VCTYPA1EX332J	0.0033 μF, 25V	AA
C153	VCTYPA1EX103J	0.01 μF, 25V	AA
C154	VCTYPA1EX332J	0.0033 μF, 25V	AA
C155	VCTYPA1EX682J	0.0068 μF, 25V	AA
C156	VCTYPA1EX822J	0.0082 μF, 25V	AA
C157	VCTYPA1EX472J	0.0047 μF, 25V	AA
C158	VCCSPA1HL681J	680 pF, 50V	AA
C159,160	VCCSPA1HL271J	270 pF, 50V	AA
C163	VCCSPA1HL101J	100 pF, 50V	AA
C164	VCTYPA1EX102J	0.001 μF, 25V	AA
C168,169	VCKZPA1HF403Z	0.04 μF, 50V	AA
C171	VCFYHA1HA124J	0.12 μF, 50V, Polyethylene Film	AB
C172	VCTYPA1EX153J	0.015 μF, 25V	AA
C201	VCCSPA1HL821J	820 pF, 50V	AA
C203	VCCSPA1HL221J	220 pF, 50V	AA
C205	VCTYPA1EX562J	0.0056 μF, 25V	AA
C207	VCCSPA1HL331J	330 pF, 50V	AA
C209	VCCSPA1HL221J	220 pF, 50V	AA
C211	VCTYPA1EX562J	0.0056 μF, 25V	AA
C213	VCTYPA1EX123J	0.012 μF, 25V	AA
C219	VCCSPA1HL101J	100 pF, 50V	AA
C222	VCCSPA1HL681J	680 pF, 50V	AA
C224	VCTYPA1EX272J	0.0027 μF, 25V	AA

REF.NO.	PART NO.	DESCRIPTION	CODE
C230	VCFYHA1HA823J	0.082 μF, 50V, Polyethylene Film	AB
C232	VCTYPA1EX822J	0.0082 μF, 25V	AA
C233	VCTYPA1EX472J	0.0047 μF, 25V	AA
C234	VCTYPA1EX562J	0.0056 μF, 25V	AA
C235	VCCSPA1HL390J	39 pF, 50V	AA
C238	VCTYPA1EX333J	0.033 μF, 25V	AB
C239	VCTYPA1EX103J	0.01 μF, 25V	AA
C241	VCTYPA1EX183J	0.018 μF, 25V	AA
C250	VCTYPA1EX392J	0.0039 μF, 25V	AA
C251	VCTYPA1EX822J	0.0082 μF, 25V	AA
C252	VCTYPA1EX332J	0.0033 μF, 25V	AA
C253	VCTYPA1EX103J	0.01 μF, 25V	AA
C254	VCTYPA1EX332J	0.0033 μF, 25V	AA
C255	VCTYPA1EX682J	0.0068 μF, 25V	AA
C256	VCTYPA1EX822J	0.0082 μF, 25V	AA
C257	VCTYPA1EX472J	0.0047 μF, 25V	AA
C258	VCCSPA1HL681J	680 pF, 50V	AA
C259,260	VCCSPA1HL271J	270 pF, 50V	AA
C263	VCCSPA1HL101J	100 pF, 50V	AA
C264	VCTYPA1EX102J	0.001 μF, 25V	AA
C268	VCKZPA1HF403Z	0.04 μF, 50V	AA
C271	VCFYHA1HA124J	0.12 μF, 50V, Polyethylene Film	AB
C272	VCTYPA1EX153J	0.015 μF, 25V	AA
C301	VCTYPA1EX682J	0.0068 μF, 25V	AA
C302	VCTYPA1EX223J	0.022 μF, 25V	AA
C303,304	VCTYPA1EX472J	0.0047 μF, 25V	AA
C307	VCQPKA2AA682J	0.0068 μF, 100V, Polypropylene	AB
C308,309	VCCSPA1HL151J	150 pF, 50V	AA
C401	VCKZPA1HF403Z	0.04 μF, 50V	AA
⚠ C501,502	VCKZPA1HF403Z	0.04 μF, 50V	AA
C504,505	VCQYKA1HM104M	0.1 μF, 50V, Mylar	AB
C511,512	VCKZPA1HF403Z	0.04 μF, 50V	AA
C702	VCKZPU1HF403Z	0.04 μF, 50V	AA
C703	VCTYPA1EX333J	0.033 μF, 25V	AB

RESISTORS

(Unless otherwise specified, resistors are ±5%, carbon type.)

R101	VRD-ST2CD473J	47 kohms, 1/6W	AA
R102	VRD-ST2CD392J	3.9 kohms, 1/6W	AA
R103	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R104	VRD-ST2CD102J	1 kohm, 1/6W	AA
R105	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R106	VRD-ST2CD103J	10 kohm, 1/6W	AA
R107	VRD-ST2CD121J	120 ohms, 1/6W	AA
R108	VRD-ST2CD474J	470 kohms, 1/6W	AA
R109	VRD-ST2CD223J	22 kohms, 1/6W	AA
R110	VRD-ST2CD333J	33 kohms, 1/6W	AA
R111	VRD-ST2CD103J	10 kohm, 1/6W	AA
R112	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R113	VRD-ST2CD153J	15 kohms, 1/6W	AA
R114	VRD-ST2CD123J	12 kohms, 1/6W	AA
R115	VRD-ST2CD273J	27 kohms, 1/6W	AA
R116	VRD-ST2CD103J	10 kohm, 1/6W	AA
R117	VRD-ST2CD102J	1 kohm, 1/6W	AA
R118	VRD-ST2CD820J	82 ohms, 1/6W	AA
R119	VRD-ST2CD223J	22 kohms, 1/6W	AA
R120	VRD-ST2CD474J	470 kohms, 1/6W	AA
R121	VRD-ST2CD333J	33 kohms, 1/6W	AA
R122	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R123	VRD-ST2CD272J	2.7 kohms, 1/6W	AA
R124	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R125	VRD-ST2CD103J	10 kohm, 1/6W	AA
R127	VRD-ST2CD273J	27 kohms, 1/6W	AA
R129	VRD-ST2CD273J	27 kohms, 1/6W	AA
R130	VRD-ST2CD154J	150 kohms, 1/6W	AA
R131	VRD-ST2CD394J	390 kohms, 1/6W	AA
R132	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R133	VRD-ST2CD123J	12 kohms, 1/6W	AA
R135	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R136	VRD-ST2CD104J	100 kohm, 1/6W	AA
R137	VRD-ST2CD102J	1 kohm, 1/6W	AA
R138	VRD-ST2CD272J	2.7 kohms, 1/6W	AA
R139	VRD-ST2CD103J	10 kohm, 1/6W	AA
R140	VRD-ST2CD105J	1 Mohm, 1/6W	AA
R141	VRD-ST2CD103J	10 kohm, 1/6W	AA
R142	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R143	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R144	VRD-ST2CD220J	22 ohms, 1/6W	AA
R145	VRD-ST2CD103J	10 kohm, 1/6W	AA
R146	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R147	VRD-ST2CD102J	1 kohm, 1/6W	AA
R148	VRD-ST2CD823J	82 kohms, 1/6W	AA
R149	VRD-ST2CD622J	6.2 kohms, 1/6W	AA
R150	VRD-ST2CD473J	47 kohms, 1/6W	AA
R151	VRD-ST2CD471J	470 ohms, 1/6W	AA
R152	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R153	VRD-ST2CD103J	10 kohm, 1/6W	AA
R154	VRD-ST2CD683J	68 kohms, 1/6W	AA
R155	VRD-ST2CD103J	10 kohm, 1/6W	AA
R156	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R157	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R158	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R159	VRD-ST2CD243J	24 kohms, 1/6W	AA
R160	VRD-ST2CD622J	6.2 kohms, 1/6W	AA
R161	VRD-ST2CD823J	82 kohms, 1/6W	AA
R162	VRD-ST2CD205J	2 Mohms, 1/6W	AA
R163	VRD-ST2CD123J	12 kohms, 1/6W	AA
R164	VRD-ST2CD684J	680 kohms, 1/6W	AA
R165	VRD-ST2CD273J	27 kohms, 1/6W	AA
R166	VRD-ST2CD184J	180 kohms, 1/6W	AA
R167	VRD-ST2CD153J	15 kohms, 1/6W	AA
R168	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R169,170	VRD-ST2CD101J	100 ohm, 1/6W	AA
R171	VRD-ST2CD392J	3.9 kohms, 1/6W	AA
R172	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R173	VRD-ST2CD272J	2.7 kohms, 1/6W	AA
R174	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R175	VRD-ST2CD182J	1.8 kohms, 1/6W	AA
R176	VRD-ST2CD103J	10 kohm, 1/6W	AA
R177	VRD-ST2CD123J	12 kohms, 1/6W	AA
R178	VRD-ST2CD152J	1.5 kohms, 1/6W	AA
R179	VRD-ST2CD103J	10 kohm, 1/6W	AA
R180	VRD-ST2CD152J	1.5 kohms, 1/6W	AA
R181	VRD-ST2CD102J	1 kohm, 1/6W	AA
R182	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R184	VRD-ST2CD103J	10 kohm, 1/6W	AA
R185	VRD-ST2CD474J	470 kohms, 1/6W	AA
R186	VRD-ST2CD223J	22 kohms, 1/6W	AA
R187	VRD-ST2CD271J	270 ohms, 1/6W	AA
R188	VRD-ST2CD183J	18 kohms, 1/6W	AA
R189,190	VRD-ST2CD102J	1 kohm, 1/6W	AA
R191	VRD-ST2CD473J	47 kohms, 1/6W	AA
R192	VRD-ST2CD471J	470 ohms, 1/6W	AA
R193	VRD-ST2CD820J	82 ohms, 1/6W	AA
R194	VRD-ST2CD561J	560 ohms, 1/6W	AA
R195	VRD-ST2CD243J	24 kohms, 1/6W	AA
R196	VRD-ST2CD154J	150 kohms, 1/6W	AA
R197	VRD-ST2CD683J	68 kohms, 1/6W	AA
R198	VRD-ST2CD152J	1.5 kohms, 1/6W	AA
R199	VRD-ST2CD181J	180 ohms, 1/6W	AA
R201	VRD-ST2CD473J	47 kohms, 1/6W	AA
R202	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R203	VRD-ST2CD392J	3.9 kohms, 1/6W	AA
R204	VRD-ST2CD102J	1 kohm, 1/6W	AA
R205	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R206	VRD-ST2CD103J	10 kohm, 1/6W	AA

REF.NO.	PART NO.	DESCRIPTION	CODE
R207	VRD-ST2CD121J	120 ohms, 1/6W	AA
R208	VRD-ST2CD474J	470 kohms, 1/6W	AA
R209	VRD-ST2CD223J	22 kohms, 1/6W	AA
R210	VRD-ST2CD333J	33 kohms, 1/6W	AA
R211	VRD-ST2CD103J	10 kohm, 1/6W	AA
R212	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R213	VRD-ST2CD153J	15 kohms, 1/6W	AA
R214	VRD-ST2CD123J	12 kohms, 1/6W	AA
R215	VRD-ST2CD273J	27 kohms, 1/6W	AA
R216	VRD-ST2CD103J	10 kohm, 1/6W	AA
R217	VRD-ST2CD102J	1 kohm, 1/6W	AA
R218	VRD-ST2CD820J	82 ohms, 1/6W	AA
R219	VRD-ST2CD223J	22 kohms, 1/6W	AA
R220	VRD-ST2CD474J	470 kohms, 1/6W	AA
R221	VRD-ST2CD333J	33 kohms, 1/6W	AA
R222	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R223	VRD-ST2CD272J	2.7 kohms, 1/6W	AA
R224	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R225	VRD-ST2CD103J	10 kohm, 1/6W	AA
R227	VRD-ST2CD273J	27 kohms, 1/6W	AA
R229	VRD-ST2CD273J	27 kohms, 1/6W	AA
R230	VRD-ST2CD154J	150 kohms, 1/6W	AA
R231	VRD-ST2CD394J	390 kohms, 1/6W	AA
R232	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R233	VRD-ST2CD123J	12 kohms, 1/6W	AA
R235	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R236	VRD-ST2CD104J	100 kohm, 1/6W	AA
R237	VRD-ST2CD102J	1 kohm, 1/6W	AA
R238	VRD-ST2CD272J	2.7 kohms, 1/6W	AA
R239	VRD-ST2CD103J	10 kohm, 1/6W	AA
R240	VRD-ST2CD105J	1 Mohm, 1/6W	AA
R241	VRD-ST2CD103J	10 kohm, 1/6W	AA
R244	VRD-ST2CD220J	22 ohms, 1/6W	AA
R245	VRD-ST2CD103J	10 kohm, 1/6W	AA
R246	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R247	VRD-ST2CD102J	1 kohm, 1/6W	AA
R248	VRD-ST2CD823J	82 kohms, 1/6W	AA
R249	VRD-ST2CD622J	6.2 kohms, 1/6W	AA
R250	VRD-ST2CD473J	47 kohms, 1/6W	AA
R251	VRD-ST2CD471J	470 ohms, 1/6W	AA
R252	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R253	VRD-ST2CD103J	10 kohm, 1/6W	AA
R254	VRD-ST2CD683J	68 kohms, 1/6W	AA
R255	VRD-ST2CD103J	10 kohm, 1/6W	AA
R256	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R257	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R258	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R259	VRD-ST2CD243J	24 kohms, 1/6W	AA
R260	VRD-ST2CD622J	6.2 kohms, 1/6W	AA
R261	VRD-ST2CD823J	82 kohms, 1/6W	AA
R262	VRD-ST2CD205J	2 Mohms, 1/6W	AA
R263	VRD-ST2CD123J	12 kohms, 1/6W	AA
R264	VRD-ST2CD684J	680 kohms, 1/6W	AA
R265	VRD-ST2CD273J	27 kohms, 1/6W	AA
R266	VRD-ST2CD184J	180 kohms, 1/6W	AA
R267	VRD-ST2CD153J	15 kohms, 1/6W	AA
R268	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R269,270	VRD-ST2CD101J	100 ohm, 1/6W	AA
R271	VRD-ST2CD392J	3.9 kohms, 1/6W	AA
R272	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R273	VRD-ST2CD272J	2.7 kohms, 1/6W	AA
R274	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R275	VRD-ST2CD182J	1.8 kohms, 1/6W	AA
R276	VRD-ST2CD103J	10 kohm, 1/6W	AA
R277	VRD-ST2CD123J	12 kohms, 1/6W	AA
R278	VRD-ST2CD152J	1.5 kohms, 1/6W	AA
R279	VRD-ST2CD103J	10 kohm, 1/6W	AA
R280	VRD-ST2CD152J	1.5 kohms, 1/6W	AA
R281	VRD-ST2CD102J	1 kohm, 1/6W	AA
R282	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R284	VRD-ST2CD103J	10 kohm, 1/6W	AA
R285	VRD-ST2CD474J	470 kohms, 1/6W	AA
R286	VRD-ST2CD223J	22 kohms, 1/6W	AA
R287	VRD-ST2CD271J	270 ohms, 1/6W	AA
R288	VRD-ST2CD183J	18 kohms, 1/6W	AA
R289,290	VRD-ST2CD102J	1 kohm, 1/6W	AA
R291	VRD-ST2CD473J	47 kohms, 1/6W	AA
R292	VRD-ST2CD471J	470 ohms, 1/6W	AA
R293	VRD-ST2CD820J	82 ohms, 1/6W	AA
R294	VRD-ST2CD561J	560 ohms, 1/6W	AA
R295	VRD-ST2CD243J	24 kohms, 1/6W	AA
R296	VRD-ST2CD154J	150 kohms, 1/6W	AA
R297	VRD-ST2CD683J	68 kohms, 1/6W	AA
R298	VRD-ST2CD152J	1.5 kohms, 1/6W	AA
R299	VRD-ST2CD181J	180 ohms, 1/6W	AA
R301,302	VRD-ST2EE3R9J	3.9 ohms, 1/4W	AA
R303,304	VRD-ST2CD223J	22 kohms, 1/6W	AA
⚠R305	VRG-ST2EC180J	18 ohms, 1/4W, Fusible	AB
R306	VRD-ST2EE391J	390 ohms, 1/4W	AA
R307	VRD-ST2EE471J	470 ohms, 1/4W	AA
R308	VRD-ST2EE391J	390 ohms, 1/4W	AA
R309,310	VRD-ST2EE331J	330 ohms, 1/4W	AA
R311,312	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R401	VRD-ST2CD113J	11 kohms, 1/6W	AA
R402	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R404	VRD-ST2CD473J	47 kohms, 1/6W	AA
R405	VRD-ST2CD113J	11 kohms, 1/6W	AA
R406	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R408	VRD-ST2CD473J	47 kohms, 1/6W	AA
R409,410	VRD-ST2CD562J	5.6 kohms, 1/6W	AA
R411	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R412,413	VRD-ST2CD103J	10 kohm, 1/6W	AA
R414	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R415	VRD-ST2CD103J	10 kohm, 1/6W	AA
R416	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R417～419	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R420	VRD-ST2CD473J	47 kohms, 1/6W	AA
R421	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R422	VRD-ST2CD153J	15 kohms, 1/6W	AA
R423	VRD-ST2CD473J	47 kohms, 1/6W	AA
R424～430	VRD-ST2CD103J	10 kohm, 1/6W	AA
R431	VRD-ST2CD102J	1 kohm, 1/6W	AA
R432	VRD-ST2CD333J	33 kohms, 1/6W	AA
R433～435	VRD-ST2CD103J	10 kohm, 1/6W	AA
R436	VRD-ST2CD272J	2.7 kohms, 1/6W	AA
R437	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R438	VRD-ST2CD333J	33 kohms, 1/6W	AA
R439	VRD-ST2CD272J	2.7 kohms, 1/6W	AA
R440	VRD-ST2CD563J	56 kohms, 1/6W	AA
R441	VRD-ST2CD223J	22 kohms, 1/6W	AA
R443	VRD-ST2CD103J	10 kohm, 1/6W	AA
R444	VRD-ST2CD223J	22 kohms, 1/6W	AA
R445	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R446	VRD-ST2CD223J	22 kohms, 1/6W	AA
R447	VRD-ST2CD103J	10 kohm, 1/6W	AA
R448	VRD-ST2CD473J	47 kohms, 1/6W	AA
R502,503	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R504	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R505	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R506	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R507	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R508,509	VRD-ST2CD104J	100 kohm, 1/6W	AA
R510,511	VRD-ST2CD103J	10 kohm, 1/6W	AA
R512	VRD-ST2EE331J	330 ohms, 1/4W	AA
R513	VRD-ST2EE471J	470 ohms, 1/4W	AA
R514	VRD-ST2EE331J	330 ohms, 1/4W	AA
R515	VRD-ST2EE471J	470 ohms, 1/4W	AA
R601,602	VRD-ST2CD103J	10 kohm, 1/6W	AA
R603,604	VRD-ST2CD153J	15 kohms, 1/6W	AA
R605,606	VRD-ST2CD562J	5.6 kohms, 1/6W	AA

REF.NO.	PART NO.	DESCRIPTION	CODE
R607,608	VRD-ST2CD223J	22 kohms, 1/6W	AA
R609,610	VRD-ST2CD104J	100 kohm, 1/6W	AA
R611,612	VRD-ST2CD153J	15 kohms, 1/6W	AA
R613	VRD-ST2CD471J	470 ohms, 1/6W	AA
R701	VRD-ST2CD103J	10 kohm, 1/6W	AA
R702	VRD-ST2CD154J	150 kohms, 1/6W	AA
R703	VRD-ST2CD103J	10 kohm, 1/6W	AA
R704	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R705	VRD-ST2CD104J	100 kohm, 1/6W	AA
R706	VRD-ST2CD153J	15 kohms, 1/6W	AA
R707	VRD-ST2CD333J	33 kohms, 1/6W	AA
R708	VRD-ST2CD123J	12 kohms, 1/6W	AA
R709	VRD-ST2CD822J	8.2 kohms, 1/6W	AA
R710	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R711	VRD-ST2EE271J	270 ohms, 1/4W	AA
R801	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R802	VRD-ST2CD392J	3.9 kohms, 1/6W	AA
R803,804	VRD-ST2CD103J	10 kohm, 1/6W	AA
R805~807	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R808	VRD-ST2CD105J	1 Mohm, 1/6W	AA
R809	VRD-ST2CD273J	27 kohms, 1/6W	AA
R810	VRD-ST2CD154J	150 kohms, 1/6W	AA
R811	VRD-ST2CD394J	390 kohms, 1/6W	AA
R812	VRD-ST2CD152J	1.5 kohms, 1/6W	AA
R813	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R814	VRD-ST2CD273J	27 kohms, 1/6W	AA
R901	VRD-ST2CD222J	2.2 kohms, 1/6W	AA
R902	VRD-ST2CD392J	3.9 kohms, 1/6W	AA
R903,904	VRD-ST2CD103J	10 kohm, 1/6W	AA
R905~907	VRD-ST2CD472J	4.7 kohms, 1/6W	AA
R908	VRD-ST2CD105J	1 Mohm, 1/6W	AA
R909	VRD-ST2CD273J	27 kohms, 1/6W	AA
R910	VRD-ST2CD154J	150 kohms, 1/6W	AA
R911	VRD-ST2CD394J	390 kohms, 1/6W	AA
R912	VRD-ST2CD152J	1.5 kohms, 1/6W	AA
R913	VRD-ST2CD332J	3.3 kohms, 1/6W	AA
R914	VRD-ST2CD273J	27 kohms, 1/6W	AA

CIRCUIT PARTS

CNS1	QCNW-3856AFZZ	Connector Assembly, 9Pin	AL
CNS2	QCNW-3855AFZZ	Connector Assembly, 6Pin	AK
CNS3	QCNWN0377AFZZ	Connector Assembly, 9Pin	AF
CNS4/5	QCNW-3858AFZZ	Connector Assembly, 7/4Pin	AF
CNS6	QCNWN0378AFZZ	Connector Assembly, 4Pin	AD
CNP1	QCNCM683JAFZZ	Plug, 9Pin	AB
CNP2	QCNCM683FAFZZ	Plug, 6Pin	AB
CNP3	QCNCM590JAFZZ	Plug, 9Pin	AC
CNP4	QCNCM585DAFZZ	Plug, 4Pin	AB
CNP5	QCNCM588GAFZZ	Plug, 7Pin	AB
CNP6	QCNCM315DAFZZ	Plug, 4Pin	AC
CNP7	QCNCM691HAFZZ	Plug, 8Pin	AD
CNP8	QCNCM691GAFZZ	Plug, 7Pin	AD
CNP9	QCNCM691HAFZZ	Plug, 8Pin	AD
⚠ F501	QFS-C102GAFNi	Fuse, T1A 250V	AD
J1/2	QJAKF0065AFZZ	Jack, Microphone	AH
J3	QJAKJ0146AFZZ	Jack, Headphones	AD
⚠ M1	RMōTV0233AF01	Motor with Pulley, Deck 1	AZ
⚠ M2	RMōTV0233AF01	Motor with Pulley, Deck 2	AZ
SO1	QSōJ0498AFZZ	Socket, Line Input/Output	AE
SO2	QSōCD4507AFZZ	Socket, REC/PB	AE
⚠ SO501	QSōCE0607AFZZ	Voltage Selector	AF
SOL1	RPLU-0195AFZZ	Solenoid, APSS	AF
SW1	QSW-S0531AFZZ	Switch, Slide Type	AE
SW2~7/14/16	QSW-P0697AFZZ	Switch Assembly, Push Type × 8	AS
SW8,9	QSW-F0216AFZZ	Switch, Leaf Type	AB
SW10~12	QSW-F0197AFZZ	Switch, Leaf Type	AC
SW13	QSW-F0216AFZZ	Switch, Leaf Type	AB
SW15	QSW-P0663AFZZ	Switch, Push Type	AG
TE501	QCNCM552BAFZZ	Plug, 2Pin	AA
TP1	QCNCM583BAFZZ	Plug, 2Pin	AA
TP2	QCNCM584CAFZZ	Plug, 3Pin	AA

MECHANICAL PARTS

1	JKNBR0468AFSA	Button, Mechanism	AC
2	LANGF0970AFFW	Bracket, Flywheel	AD
3	LANGT1441AFZZ	Bracket, Direction Lever, Deck 2	AD
4	LANGT1448AFZZ	Bracket, Direction Lever, Deck 1	AD
5	LBSHZ0086AFZZ	Bushing, Motor	AA
6	LBSHZ0087AFZZ	Rubber, Lead Disposition	AA
7	LCHSM0573AFZZ	Main Chassis	—
8	LDAIH0066AFZZ	Bracket, Head	AD
9	LHLDW1075AFZZ	Nylon Band, 60mm	AA
10	LHLDW1112AFZZ	Tape, 6mm × 30mm	AA
11	LHLDW3085AFZZ	Wire Holder	AA
12	LHLDZ1306AF00	Holder, Button Lever	AD
13	LHLDZ3081AFFD	Holder, Clutch Gear Felt	AA
14	LHLDZ3082AFZZ	Holder, Metal	AA
15	LPiNZ0062AFFJ	Pin, Latch Plate	AB
16	LPiNZ0070AFFD	Rod, Reverse	AB
17	LPiNZ0071AFFD	Rod, Auto Stop	AB
18	LPLTM0166AFZZ	Plate, Head	AC
19	LPLTM0167AFZZ	Plate, Head Bracket	AE
20	LPLTM0168AFZZ	Plate, Over Stroke	AC
21	LPLTM0169AFZZ	Plate, Reverse	AC
23	LPLTM0173AFFW	Plate, Cam Maintain	AB
24	LPLTM0177AFFW	Plate, Button Lever	AB
25	LRTNP0058AFZZ	Pin, Retaining	AA
26	LRTNP0059AF00	Ring, Retaining	AA
27	LSLVM0217AFFW	Sleeve, Playback Idler	AA
28	MARMM0073AFFW	Arm, Erase Prevention, Deck 2 Only	AB
29	MARMM0074AFFW	Arm, Playback Select	AA
30	MARMM0075AFFW	Arm, Stand-By, Deck 1 Only	AA
31	MARMP0033AF00	Arm, Reverse Cam Lock	AA
32	MARMP0034AF00	Arm, Reverse Cam	AB
33	MCAMP0075AF00	Cam, Playback	AB
34	MCAMP0076AF00	Cam, Reverse	AB
35	MCAMP0077AF00	Cam, End	AB
36	MLEVF1805AFFW	Lever, Pause Back	AB
37	MLEVF1812AFFW	Lever, FF/REW Inter Locking	AB
38	MLEVF1888AFFW	Lever, Lock, Deck 1	AB
38	MLEVF1884AFFW	Lever, Main Lock, Deck 2	AB
39	MLEVF1814AFFW	Lever, Switch	AB
40	MLEVF1815AFFW	Lever, Prevention, Deck2 Only	AA
41	MLEVF1816AFZZ	Lever, APSS Lock, Deck 1	AC
41	MLEVF1816AFFW	Lever, APSS Lock, Deck 2	AB
42	MLEVF1818AFFW	Lever, Lock Release	AA
43	MLEVF1819AFFW	Lever, Erase Prevent Mortion, Deck 2 Only	AA
44	MLEVF1820AFFW	Lever, Pause	AA
45	MLEVF1821AFFW	Lever, Eject	AA
46	MLEVF1822AFFW	Lever, Timing Cam	AA
47	MLEVF1838AFFW	Lever, Record	AB
48	MLEVF1839AFFW	Lever, Playback	AB
49	MLEVF1840AFFW	Lever, Rewind	AB
50	MLEVF1841AFFW	Lever, Stop	AA
51	MLEVF1842AFZZ	Lever, Pause	AC
52	MLEVF1843AFFW	Lever, Fast-Forward	AB
53	MLEVP0502AFZZ	Lever, Pause Lock	AB
54	MLEVP0637AF00	Lever, Senser	AA
55	MLEVP0638AF00	Lever, Brake Release	AA
56	MLEVP0639AF00	Lever, Latch Release	AA
57	MLEVP0640AF00	Lever, Erase Prevention, Deck 2 Only	AA
58	MLEVP0641AF00	Lever, Pause Cam Lock	AB

REF.NO.	PART NO.	DESCRIPTION	CODE
59	MLEVP0642AF00	Lever, Timing	AA
60	MLEVP0643AF00	Lever, Head Back	AA
61	MLEVP0644AF00	Lever, FF/REW Release	AA
62	MLEVP0645AF00	Lever, End Selector	AA
63	MLEVP0646AF00	Lever, Direction Change	AA
64	MLEVP0647AF00	Lever, Record Release	AA
65	MLEVP0648AF00	Lever, Switch Operation	AB
66	MLEVP0650AF00	Lever, APSS Switch, Deck 1 Only	AA
67	MLEVP0652AF00	Lever, Mode Mortion	AA
68	MLEVP0653AF00	Lever, Stop Killer	AA
69	MLEVP0670AFZZ	Lever, Pause Stop Deck 2 Only	AA
70	MLEVP0675AF00	Lever, Eject	AB
71	MLEVP0676AF00	Lever, Button	AA
72	MLEVP0677AF00	Lever, Direction	AB
73	MLEVP0678AF00	Lever, Direction Interlocking	AB
74	MLEVP0679AF00	Lever, Mode Selector	AB
75	MSPRC0449AFFJ	Spring, Latch Lock	AA
76	MSPRC0458AFFJ	Spring, Pause Lock Lever	AA
77	MSPRC0575AFFJ	Spring, Clutch Gear	AA
78	MSPRC0578AFFJ	Spring, Tape Guide	AA
79	MSPRC0579AFFJ	Spring, Azimuth	AA
80	MSPRC0580AFFJ	Spring, Back Tention	AA
81	MSPRC0581AFFJ	Spring, Brake Release	AA
82	MSPRC0582AFFJ	Spring, Pause Lever	AA
83	MSPRC0583AFFJ	Spring, Fast-Forward Lever	AA
84	MSPRD0689AFFJ	Spring, Over Stroke Return	AA
85	MSPRD0690AFFJ	Spring, Play Cam Lock Lever	AA
86	MSPRD0691AFFJ	Spring, Stop/Rewind Return	AA
87	MSPRD0692AFFJ	Spring, Head Selector	AA
88	MSPRD0693AFFJ	Spring, Reverse Cam Lock Arm	AA
89	MSPRD0694AFFJ	Spring, Direction Change Drive	AA
90	MSPRD0696AFFJ	Spring, Pause Killer	AA
92	MSPRD0698AFFJ	Spring, Playback Select Arm	AA
93	MSPRD0699AFFJ	Spring, APSS Switch Lever, Deck 1 Only	AA
94	MSPRD0700AFFJ	Spring, Forward Pinch Roller	AA
95	MSPRD0701AFFJ	Spring, Reverse Pinch Roller	AA
96	MSPRD0722AFFJ	Spring, Head Prevention, Deck 2 Only	AA
97	MSPRD0723AFFJ	Spring, Reverse Stop	AA
98	MSPRP0370AFFW	Plate Spring, Cassette Press	AA
99	MSPRP0430AFFJ	Plate Spring, Head Bracket Plate	AA
100	MSPRT1196AFFJ	Spring, Main Lock Lever	AA
101	MSPRT1197AFFJ	Spring, Head Bracket Plate	AA
102	MSPRT1198AFFJ	Spring, End Selector	AA
103	MSPRT1205AFFJ	Spring, Erase Privention Detector, Deck 2 Only	AA
104	NBALS0006AGFJ	Steel Ball, ϕ2	AA
105	NBALS0056AFZZ	Steel Ball, ϕ1.5	AA
106	NBLTH0108AF00	Belt, Flywheel	AC
107	NBLTK0352AF00	Belt, Turntable	AB
108	NBRGC0116AFZZ	Capstan Metal, Forward	AB
109	NBRGC0117AFZZ	Capstan Metal, Reverse	AB
110	NDAiR0194AFZZ	Turntable, Take-up	AE
111	NDAiR0195AFZZ	Turntable, Supply	AC
112	NFLYC0136AFZZ	Flywheel, Reverse	AH
113	NFLYC0139AFZZ	Flywheel, Forward	AH
114	NGERH0186AFZZ	Gear, Fast-Forward/Rewind	AE
115	NGERH0187AF00	Gear, Playback	AA
116	NGERH0188AF00	Gear, Reduction	AA
117	NGERH0189AF00	Gear, Clutch	AA
118	NGERH0190AF00	Gear, Head	AA
119	NiDR-0091AFZZ	Idler, Playback	AD
120	NPLYM0081AF00	Pulley, Deck 2 Only	AA
121	NPLYR0116AFZZ	Pulley, Flywheel Belt	AC
122	NRōLY0075AFZZ	Pinch Roller, Forward	AD
123	NRōLY0076AFZZ	Pinch Roller, Reverse	AD
124	PCUSF0033AF00	Felt, Clutch Gear	AA
125	PGiDM0129AF00	Guide, Tape	AA
126	RHEDF0101AFZZ	Head, Deck 1	AQ
127	RHEDK0052AFZZ	Head, Deck 2	AV
128	LPLTM0172AFZZ	Plate Assembly, Lever Press	AE
129	MSPRT1216AFFJ	Spring, Playback Lever	AA
130	MSPRD0697AFFJ	Spring, Over Stroke Plate	AA
131	MSPRT1224AFFJ	Spring, APSS Lock Lever	AA
132	MSPRT1233AFFJ	Spring, Erase	AA
501	LX-HZ0163AFFD	Screw, Direction Lever	AA
502	LX-BZ0450AFZZ	Screw, ϕ2 × 6mm	AA
503	LX-BZ0451AFFD	Screw, ϕ2 × 6mm	AA
504	LX-HZ0143AFFD	Screw, ϕ2 × 8mm, Deck 1 Only	AA
505	LX-WZ1106AFZZ	Washer, Senser	AA
506	LX-WZ1107AFZZ	Washer, ϕ3.5 × ϕ5 × 0.25mm	AA
507	LX-WZ5018AGZZ	Washer, ϕ2.5 × ϕ4 × 0.25mm	AA
508	LX-WZ9053AFZZ	Washer, ϕ2.4 × ϕ5 × 0.5mm	AA
509	LX-WZ9064AFZZ	Washer, ϕ1.5 × ϕ3.8 × 0.5mm	AA
510	XBPSD14P07000	Screw, ϕ1.4 × 7mm	AA
511	XHBSD20P04000	Screw, ϕ2 × 4mm	AA
512	XJBSD20P06000	Screw, ϕ2 × 6mm	AA
513	XJBSD26P08000	Screw, ϕ2.6 × 8mm	AA
514	XNESD20-16000	Nut, ϕ2 × 1.6mm	AA
515	XREUJ15-04000	Ring, "E" Type, ϕ1.5mm × 0.4mm	AA
516	XWHJZ21-05040	Washer, ϕ2.1 × ϕ4 × 0.5mm	AA
517	XWHJZ23-05044	Washer, ϕ2.3 × ϕ4.4 × 0.5mm	AA
518	XWHJZ47-02075	Washer, ϕ4.7 × ϕ7.5mm × 0.2mm	AA
520	XWHSD21-05065	Washer, ϕ2.1 x ϕ6.5 × 0.5mm	AA
521	LX-BZ0571AFFD	Screw, ϕ2 × 4mm	AA
522	XASSF17P03000	Screw, ϕ1.7 × 3mm, Black	AA
523	XWHJZ26-05047	Washer, ϕ2.6 × ϕ4.7 × 0.5mm	AA
524	XWHJZ52-02080	Washer, ϕ5.2 × ϕ8 × 0.2mm	AA
525	XWVSD27-03000	Washer, ϕ2.7	AA

CABINET PARTS

301	CPNLC1792AF03	Front Panel Assembly	BC
301-1	————	Front Panel	—
301-2	HDECP0466AFSA	Plate, Lever Meter	AK
301-3	HDECP0470AFSA	Plate, Center	AD
301-4	HiNDM1658AFSA	Plate, Mechanism Control	AH
301-5	PFLT-0494AFZZ	Felt, Front Leg	AA
301-6	PSLDC7086AFZZ	Shield Plate	AA
301-7	PSPAi0328AFZZ	Spacer, Mechanism	AA
302	GCAB-3207AFSA	Cabinet	AR
303	GFTAC1562AFSA	Holder, Cassette	AF
304	GiTAU0029AFZZ	Bottom Plate	AH
305	HDECP0467AFSA	Decoration Plate, Deck 1	AL
306	HDECP0468AFSA	Decoration Plate, Deck 2	AL
307	JKNBM0547AFSC	Button	AB
308	JKNBN0483AFSB	Knob, Record Level Control	AA
309	JKNBZ0475AFSA	Knob, Mode	AB
310	JKNBZ0475AFSB	Knob, Mode	AB
311	JKNBZ0476AFSA	Knob, Direction	AB
312	JKNBZ0476AFSB	Knob, Direction	AB
313	KCōUB0193AFSA	Tape Counter	AG
314	LANGQ0995AFZZ	Bracket, Jack	AC

RT-W800H

REF.NO.	PART NO.	DESCRIPTION	CODE
315	LANGQ0996AFZZ	Bracket, Control	AB
316	LANGQ0997AFZZ	Bracket, Main PWB	AB
317	LANGQ0998AFZZ	Bracket, Main PWB	AB
318	LANGR0546AFZZ	Bracket, Power Transformer Retaining	AB
319	LANGR0564AFZZ	Bracket, Power Transformer	AC
320	LANGT1442AFZZ	Bracket, Tape Counter	AA
⚠ 321	LBSHC0007AFZZ	Bushing, AC Power Supply Cord	AB
⚠ 321	LBSHC0004AGZZ	Bushing, AC Power Supply Cord	AB
322	LCHSM0606AFZZ	Main Chassis	—
323	LHLDW1068AFZZ	Nylon Band, 100mm	AA
324	LHLDW1075AFZZ	Nylon Band, 60mm	AA
325	MLiFP0034AFZZ	Damper	AC
326	MLōKC0067AF00	Lever, Cassette Holder Lock	AC
327	MSPRD0736AFFJ	Spring, Cassette Holder Opening, Left	AA
328	MSPRD0737AFFJ	Spring, Cassette Holder Opening, Right	AA
329	NBLTK0359AFZZ	Belt, Tape Counter	AB
330	NBLTK0361AFZZ	Belt, Deck 2 Pulley	AB
331	PFLT-0369AFZZ	Felt, Rear Leg	AA
332	PRDAR0309AFZZ	Heat Sink	AD
333	PSHEP0104AFZZ	Sheet, Main PWB Bracket	AA
⚠ 334	QACCL0052AFZZ	AC Power Supply Cord	AL
⚠ 334	QACCV0001AGZZ	AC Power Supply Cord	AL
⚠ 334	QACCZ0053AF00	AC Power Supply Cord	AK
⚠ 334	QACCZ0056AF00	AC Power Supply Cord	AL
336	TSPC-1614AFZZ	Label, Specifications	AB
338	PSLDC3207AFZZ	Shield Plate, Main PWB	AB
339	LANGT1465AFZZ	Bracket, Dolby PWB	AA
340	LX-LZ0083AF00	Push Rivet	AA
341	QFSHD1054AFZZ	Fuse Holder	AA
342	TCAUA0310AFZZ	Caution Label, Voltage Selector	AC
343	LANGT1422AFZZ	Bracket, Voltage Selector	AB
⚠ 344	QLUGL0152AFZZ	Lug Terminal	AD
345	PCUSG0324AFZZ	Cushion, Cabinet	AA
346	PCUSS0328AFZZ	Cushion, Motor	AA
601	LX-HZ0087AFFD	Screw with Washer, ϕ3 × 8mm	AA
602	LX-NZ0118AFFD	Nut, Jack	AA
603	XHBSD30P06000	Screw, ϕ3 × 6mm	AA
605	XHBSF30P06000	Screw, ϕ3 × 6mm, Black	AA
606	XHBSF30P08000	Screw, ϕ3 × 8mm, Black	AA
607	XHBSF40P08000	Screw, ϕ4 × 8mm, Black	AA
608	XHSSD30P06000	Screw, ϕ3 × 6mm	AA
609	XHSSD30P08000	Screw, ϕ3 × 8mm	AA
610	XJBSD26P08000	Screw, ϕ2.6 × 8mm	AA
611	XJBSD30P08000	Screw, ϕ3 × 8mm	AA
612	LX-HZ0056AFFD	Screw, ϕ3 × 10mm	AA
613	XJBS330P12000	Screw, ϕ3 × 12mm, Red	AA
614	XJBSF30P08000	Screw, ϕ3 × 8mm, Black	AA
615	XJBS330P18000	Screw, ϕ3 × 18mm, Red	AA
616	XHBSF30P10000	Screw, ϕ3 × 10mm, Black	AA

ACCESSORIES/PACKING PARTS

PSHEK0108AFZZ	Protection Sheet, Mechanism	AB
QCNW-0718AFZZ	Connecting Cord, RCA Type, Not Used for PX/SCA/SEEG	AH
QCNW-0727AFZZ	Connecting Cord, DIN Type, Not Used for NTS/PX	AP
QPLGA0250AFZZ	AC Plug Adaptor, for EXMAA	AF
QPLGA0253AFZZ	AC Plug Adaptor, for NTS/PX	AE
SPAKA1560AFZZ	Packing Add., Left	AE
SPAKA1561AFZZ	Packing Add., Right	AE
SPAKC4003AFZZ	Packing Case	AH
SPAKP0461AFZZ	Bag, Unit	AD
SPAKX1692AFZZ	Packing Add., Cabinet	AB
SSAKA0024AFZZ	Polyetylene Bag, Accesories	AA
TGANE1121AFZZ	Warranty Card, for PX	AC
TGANE1135AFZZ	Warranty Card, for SCA	AC
TGANG1054AFZZ	Warranty Card, for SEEG DV	AA
TiNSZ0920AFZZ	Operation Manual	AN

P.W.B ASSEMBLY(Not Replacement Item)

PWB-A1～A4 PWB-B	DUNTU0202AF03 (Combined Assembly)	Main/LED/Jack/Control/ Dolby PWB	—

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